

## Bldg. W1 to Undergo Complete Renovation

*Dorm to Remain Unoccupied Until Reopening as Undergraduate Dormitory in 2010*

By Austin Chu  
STAFF REPORTER

Building W1, the current graduate dormitory Ashdown House, will be completely renovated before reopening as an undergraduate residence in the fall of 2010, administrators said yesterday.

In the meantime, 68 undergraduates will move into NW35, a new graduate residence slated to open in August 2008. This group of students will form the core of the new W1 community when the residence reopens. Additionally, the housemasters of the new W1 will be convening a founders group of approximately 10 undergraduates who will be closely involved in the discussions of the details of the new dormitory.

Although the founders group will be tackling almost all aspects of the new dormitory, a few decisions have already been made. W1 will not permit smoking or pets and will have a dining hall and a dining program.

MIT has decided to undertake a "comprehensive renovation" of W1, said Kirk D. Kolenbrander, vice president for Institute affairs. Various plans have been proposed over the past year, including partial renovation, use of the dormitory as swing housing, or simultaneous renovation and occupancy. No decisions had been finalized until now.

W1, located at the corner of Massachusetts Ave. and Memorial Dr., is currently a graduate dormitory but will become vacant following the opening in August 2008 of the new graduate residence NW35, located in the northwest sector of campus near



ERIC D. SCHMIEDL—THE TECH

**Building W1 will undergo a complete renovation before it reopens as an undergraduate dormitory in the fall of 2010.**

Sidney-Pacific graduate dormitory.

W1 is one of the oldest buildings on campus, predating even Buildings 1–10. It is "very much in need of renewal," said Kolenbrander.

"The original plan was to do a modest renovation," Chancellor Philip L. Clay PhD '75 said. However, "when we got into it, we decided we could not do a modest renovation because the building has so many

needs." Clay added that even if MIT did not renovate W1 now, it would have to revisit that decision within the next five years.

Undergraduate student leaders welcomed the decision to go with a complete renovation, as it matched their own recommendations. Undergraduate Association President Martin F. Holmes '08 said he was "thrilled" that the administration has

chosen a complete renovation for W1, as this plan avoids situations that will "disrupt the students that will be living in the dorm."

Dormitory Council President Sarah C. Hopp '08 said, "I'm especially happy they decided to put money into the dorm, because we don't need another undergraduate

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## Yunus Chosen as '08 Class Speaker

By Ryan Ko  
STAFF REPORTER

Muhammad Yunus, recipient of the 2006 Nobel Peace Prize for his work in microlending and alleviating global poverty, is MIT's 2008 Commencement speaker.

"This is a wonderful choice," said W. Eric L. Grimson PhD '80, chair of the Commencement Committee. "Yunus is known for using technical innovation to impact the world."

Yunus's development of microlending, through which credit is offered collateral-free to the impoverished for starting small businesses, has a repayment rate of 98 percent. In 1983, Yunus founded Grameen Bank, which has provided credit to 7.3 million poor people in Bangladesh, 97 percent of them women.

Yunus exemplifies MIT's motto, "Mens et Manus" (or "Mind and Hand"), Undergraduate Association President Martin F. Holmes '08 said. "Muhammad Yunus is a person who is a problem-solver," he said. "He looked at an extremely challenging and complicated problem and came up with a very creative and ingenious way of solving it. His life is in line with the goals, missions, and values

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## Randolph Defines Role of MIT Chaplain

By Nick Bushak  
ASSOCIATE NEWS EDITOR

Having worked at MIT for 28 years in a several different positions, Robert M. Randolph brings a wealth of experience to the table as MIT's

first Institute chaplain.

The chaplain works with the religious communities to ensure they have what they need to do their work. He helps to plan events including weddings, celebrations, and memo-

rial services.

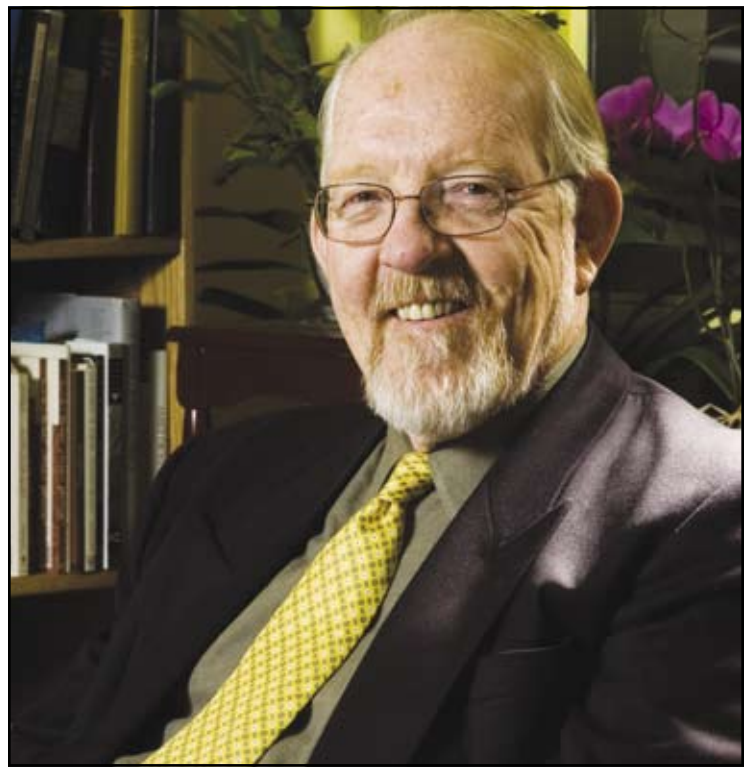
Since beginning work as Institute chaplain in January, Randolph has worked with a number of groups to address their needs. Randolph is working to make sure Muslim and Jewish communities have access to appropriate dining. In addition, he is working with the gay and lesbian community on "a program to explore attitudes about sexuality in the Abrahamic traditions and beyond," he said. He is also working toward refurbishing the chapel's organs.

But, Randolph admits, because he is the first chaplain, his role is not yet well-defined. One of his primary goals is to get input from the administration and students in regard to the role of an Institute chaplain. "My goal is, by the end of next semester, to have a leadership advisory group that will help me shape programs," he said.

Randolph would like to highlight the diversity of religious life at MIT and see more visibility for some religious events. "When I came here in '79," he said, "a lot of people said to me that there wasn't very much going on religiously at MIT." In contrast, he "found an enormous amount going on, most of it going on sort of under the surface," he said.

He said that "there are some traditions and some celebrations that have

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MARTIN SEGADO—THE TECH

**Robert M. Randolph, formerly senior associate dean for students, is now MIT's first Institute Chaplain.**

## DAPER Summer Fees Now Permanent

The Department of Athletics, Physical Education, and Recreation has announced that last summer's \$40 access fee will now be permanent — the fee will continue for summer 2008. DAPER charged students an access fee for the first time last summer. Previously, access to DAPER facilities had been free for all students year-round.

Julie Soriero, the head of DAPER, announced the change on Wednesday. Soriero's announcement came after meeting that day with representatives from the Club Sports Council and the Graduate Student Council.

The fee had previously been published in DAPER's IAP/Spring Program Guide available earlier this week, but Soriero said that publication had not been intended as a commitment and discussion of removing the fee had continued after publication.

According to Mireille K. Akilian G, the GSC treasurer and a member of the DAPER advisory board, GSC representatives were not surprised by the decision to keep the fee in place. Akilian said that the GSC wanted to make sure they knew about the fee well in advance of the summer, so they could include it in their cost of living estimates. Last year, most students did not find out about the fee until well into the spring semester.

DAPER's advisory board met on Tuesday, prior to the announcement of the fee, but did not discuss the fee. Professor Robert J. Hansman, chair of the board, said that while the board does not have the authority to approve fees, "it is a forum for discussion." No one raised the issue to the board, Hansman said.

—John A. Hawkinson

## Asbestos Board Found in Stata

An asbestos-contaminated board was found in the basement of the Stata Center earlier this week.

News Briefs, Page 14

## In Short

¶ **MISTI study abroad program** has launched an internship and research exchange program with Israel, bringing the number of countries MISTI partners with to nine.

¶ **Highlights for High School**, a new Web site, was launched in late November to provide materials for science, technology, and engineering in-

struction to high school students and teachers. The Web site is an adaptation of the OpenCourseWare model.

¶ **IAP physical education lottery** closes next Wednesday, Dec. 12 at noon. PE classes begin on Jan. 7, 2008. Enter the lottery at <http://web.mit.edu/athletics/www/phsyed/pelottinfo.html>.

### News

Tenure at MIT a largely male domain  
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Girls make history, win top honors at  
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# WORLD & NATION

## Romney, Eye on Evangelicals, Defends His Faith

By Michael Luo

THE NEW YORK TIMES

COLLEGE STATION, TEXAS

Mitt Romney asked the nation on Thursday not to reject his presidential candidacy because of his religion, assuring evangelical Christians and other religious voters that his values matched theirs in a speech that used the word Mormon only once.

The only passing mention of his Mormonism in his 20-minute speech here at the George Bush Presidential Library underscored just how touchy the issue of Romney's faith has been since he began running for the Republican nomination. He and his aides had agonized for months over whether even to give the speech. Those arguing against it said there was no need because he was doing so well in early voting states, advisers said.

But suddenly Romney's former dominance of the Republican field in Iowa was faltering as evangelical voters have been drawn to Mike Huckabee, a former Baptist pastor, in these final weeks before the state's caucuses. Evangelical Christians, who make up a crucial voting bloc in the Republican Party, consider Mormonism to be heretical, and polls have indicated a significant number of Americans are less likely to vote for a Mormon presidential candidate.

## Some Airlines to Offer In-Flight Internet Service

By Susan Stellin

THE NEW YORK TIMES

Passengers may soon hear a new in-flight announcement: "You can now log on."

Starting next week and over the next few months, several American airlines will begin testing Internet service on their planes.

On Tuesday, JetBlue Airways will begin offering a free e-mail and instant messaging service on one aircraft, while American Airlines, Virgin America, and Alaska Airlines plan to offer a broader Web experience in the coming months, probably at a cost of around \$10 a flight.

"I think 2008 is the year when we will finally start to see in-flight Internet access become available, but I suspect the rollout domestically will take place in a very measured way," said Henry Harteveltdt, an analyst with Forrester Research. "In a few years' time, if you get on a flight that doesn't have Internet access, it will be like walking into a hotel room that doesn't have TV."

## On Mortgage Relief, Who Gains the Most?

By Edmund L. Andrews

THE NEW YORK TIMES

WASHINGTON

At least one thing is clear about President Bush's plan to help people trapped by the mortgage meltdown: It is an industry-led plan, not a government bailout.

Although Bush unveiled the plan at the White House on Thursday, its terms were set by the mortgage industry and Wall Street firms. The effort is voluntary and it leaves plenty of wiggle room for lenders. Moreover, it would affect only a small number of subprime borrowers.

The plan was the target of criticism from consumer advocates who said its scope was too narrow, and from investment firms, who said it went too far. Others warned that the plan, by letting some stretched homeowners off the hook, could encourage more reckless borrowing in the future.

"The approach announced today is not a silver bullet," said Treasury Secretary Henry M. Paulson Jr., who hammered out the agreement. "We face a difficult problem for which there is no perfect solution."

# Bush Signals New Approach With Letter to North Korea

By Helene Cooper

THE NEW YORK TIMES

WASHINGTON

President Bush, directly engaging the man he publicly called a "tyrant," wrote a letter to North Korea's leader, Kim Jong-il, in which he held out the prospect of normalized relations with the United States if North Korea fully discloses its nuclear programs and dismantles its nuclear reactor, administration officials said Thursday.

The high-level personal missive from Bush to the leader of the country he placed in his "axis of evil" in 2002 was sent as U.S. negotiators are struggling to get the secretive North Korean government to fully explain and disclose the extent, use and spread of its nuclear material and technology. At the same time, the United States is also urging other nations to maintain pressure on Iran in the wake of a new assessment that Tehran halted nuclear weapons work in 2003.

Bush began the letter with the salutation "Dear Mr. Chairman," and urged the enigmatic North Korean leader to reveal all of his country's past and present nuclear work. "I

want to emphasize that the declaration must be complete and accurate if we are to continue our progress," the letter said, according to a senior administration official.

The letter closed, "Sincerely, George W. Bush." It was signed by hand, administration officials said.

While administration officials described the letter as straightforward, its very existence underscores just how much the White House wants to ensure that one of the administration's scarce, tangible diplomatic accomplishments does not slip away.

North Korea agreed in October to dismantle all of its nuclear facilities and to disclose all of its past and present nuclear programs by the end of the year in return for 950,000 metric tons of fuel oil or its equivalent in economic aid. That agreement has come under fierce criticism from national security hawks, but many foreign policy experts point to it as a rare diplomatic success in a period that has been dominated by frustration in Iran, the Middle East and Pakistan.

Another administration official said that the letter flags the need to resolve three sticking points: the

number of warheads North Korea built, the amount of weapons-grade nuclear material it produced and the need for North Korea to disclose what nuclear material and knowledge it has received from other countries and what nuclear material and knowledge it has passed on to other countries.

The proliferation issue has taken on new importance since an Israeli strike in Syria in September, which administration and Israeli officials say was conducted against a nuclear facility near the Euphrates River that was supplied with material from North Korea. Administration officials want North Korea to disclose what help it may have given Syria, although they also acknowledge that such help came before North Korea agreed to dismantle its nuclear reactor and disclose its nuclear programs.

Christopher R. Hill, the assistant secretary of state for East Asia and Pacific affairs, and Secretary of State Condoleezza Rice indicated on Thursday that Dec. 31 was not a hard and fast deadline for the disclosure, and that it could slip a few days or even weeks.

# CIA Destroyed Tapes Showing Severe Interrogation Methods

By Mark Mazzetti

THE NEW YORK TIMES

WASHINGTON

The CIA in 2005 destroyed at least two videotapes documenting the interrogation of two Qaida operatives in the agency's custody, a step it took in the midst of congressional and legal scrutiny about the CIA's secret detention program, according to current and former government officials.

The videotapes showed CIA operatives in 2002 subjecting terror suspects — including Abu Zubaydah, the first detainee in CIA custody — to severe interrogation techniques. They were destroyed in part because officers were concerned that tapes documenting controversial interrogation methods could expose agency officials to greater risk of legal jeopardy, several officials said.

The CIA said Thursday that the decision to destroy the tapes had

been made "within the CIA itself" and that its purpose was to protect the safety of undercover officers and because they no longer had intelligence value. The agency was headed at the time by Porter J. Goss.

The existence and subsequent destruction of the tapes is likely to reignite the debate over the use of severe interrogation techniques on terror suspects, and raises questions about whether CIA officials withheld information from the courts and from the Sept. 11 commission about aspects of the program.

The New York Times informed the CIA on Wednesday evening that it planned to publish in Friday's newspaper a story about the destruction of the tapes. On Thursday, the CIA director, General Michael V. Hayden, sent a letter to CIA employees explaining the matter.

The recordings were not provided

to a federal court hearing the case of the terror suspect Zacarias Moussaoui or to the Sept. 11 Commission, which had made formal requests to the CIA for transcripts and any other documentary evidence taken from interrogations of agency prisoners.

CIA lawyers told federal prosecutors in 2003 and 2005, who relayed the information to a federal court in the Moussaoui case, that the CIA did not possess recordings of interrogations sought by the judge in the case. It was unclear whether the judge had explicitly sought the videotape depicting the interrogation of Zubaydah.

Moussaoui's lawyers had hoped that records of the interrogations might provide exculpatory evidence for Moussaoui — showing that the Qaida detainees did not know Moussaoui and thus clearing him of involvement in the Sept. 11 plot.

# WEATHER

## Early January

By Roberto Rondanelli

STAFF METEOROLOGIST

We continue today under the influence of a very cold high pressure, the same system that has been giving us unseasonably cold temperatures over the last week. In fact, yesterday, we experienced temperatures that are normal for the beginning of January rather than early December.

We will have a short break in the cold conditions, as the low level warm advection associated with the low pressure centered in Canada will take over much of the northeastern United States. This system, however, is too far off from New England to provide significant organization to the advected moisture. However, the passage of short waves might provide enough organization for bands of precipitation to form later today and tonight. Temperatures will be above freezing even near the surface, so rain and wet snow is expected.

Temperatures will come back to unseasonably cold after Sunday.

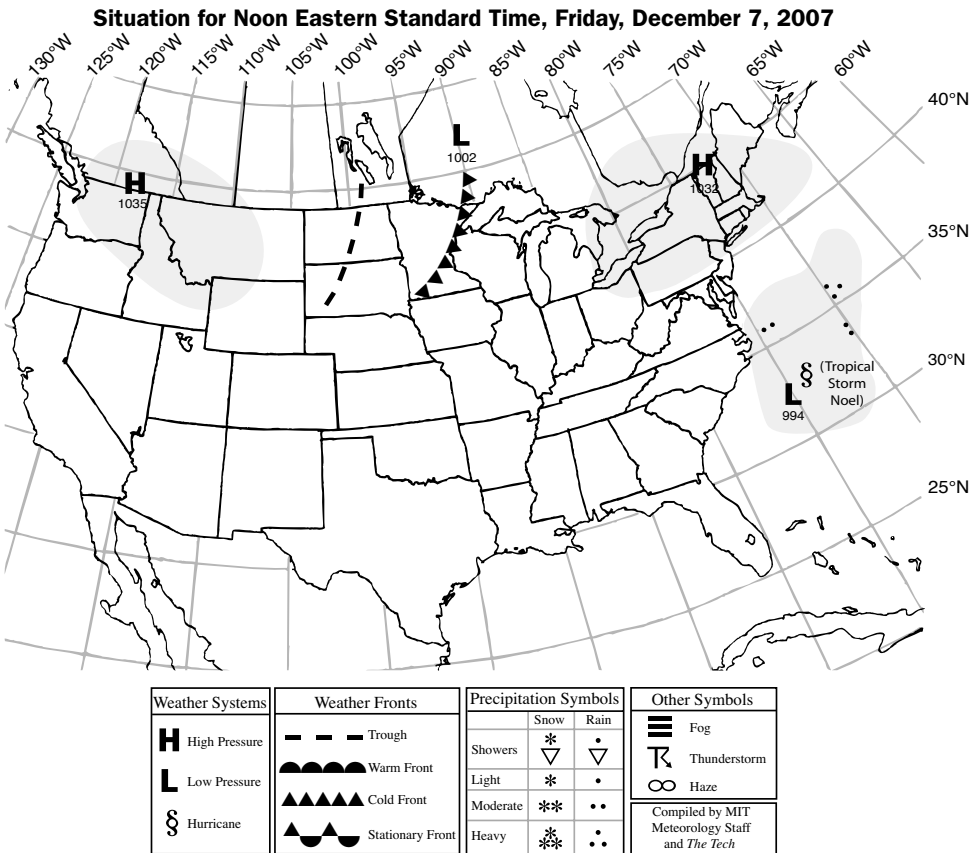
### Extended Forecast

**Today:** Partly sunny in the morning, then cloudy with a chance of snow and rain in the afternoon. Low 24°F (-4°C). High 38°F (3°C).

**Tonight:** Mostly cloudy with a chance of snow and sleet. Low 32°F (0°C).

**Saturday:** Mostly cloudy in the morning, then mostly sunny in the afternoon. High 44°F (7°C).

**Sunday:** Mostly cloudy, chance of mixed precipitation late in the evening. Low 29°F (-2°C). High 37°F (3°C).





# U.S. Foreign Aid Agency Delays Distribution of Approved Funds

By Celia W. Dugger  
THE NEW YORK TIMES

The Millennium Challenge Corp., a federal agency set up almost four years ago to reinvent foreign aid, has taken far longer to help poor, well-governed countries than its supporters expected or its critics say is reasonable.

The agency, a rare Bush administration proposal to be enacted with bipartisan support, has spent only \$155 million of the \$4.8 billion it has approved for ambitious projects in 15 countries in Africa, Central America and other regions.

And the agency's slow pace is making it politically vulnerable at budget crunch time. Both the House and the Senate have slashed the Bush administration's 2008 budget request for the agency, but the Senate has gone a step further, pushing for a change that African leaders say threatens the essence of the agency's novel approach.

Eyeing the unspent billions of dollars, the Senate has proposed that Congress provide no more than half the money up front for future five-year projects, which typically come

with a price tag of \$250 to \$700 million. Such projects are now fully financed at the start to make sure countries have the wherewithal to finish.

Patrick J. Leahy, the Vermont Democrat who heads the Senate appropriations subcommittee on foreign aid, said that Congress could be counted on to approve the rest of the money if the assisted countries fulfilled their end of the bargain. But, he asked, where else should Congress look for savings in its foreign aid budget?

"Do we cut maternal health?" he asked. "AIDS? Malaria? Do we cut refugees? The only thing that's got a blank check is the war in Iraq."

Agency officials and the African leaders they assist said in recent interviews that the change would be a big step backward. U.S. foreign aid often takes the form of modest, short-term projects planned in Washington and carried out by American contractors and charities. But under the agency's approach, poor countries with sound economic policies and strong track records of helping their people are chosen to conceive and carry out big

undertakings themselves.

The Millennium Challenge Corp.'s budget now makes up less than 10 percent of the U.S. foreign aid budget. By changing how its projects are financed, "then MCC becomes like the World Bank and all the other countries using overseas development aid in stop-and-go-fashion," said John A. Kufuor, the president of Ghana, who heads the African Union. "The aid is spread so thin that at the end of the day the necessary difference is not made."

The Millennium Challenge Corp.'s chief problem has been its sluggish record in getting projects beyond the planning stage to the point where contractors can actually build the roads, irrigation canals, power generating plants and clean water systems that poor countries say they need.

Sheila Herrling, who follows the agency at the Center for Global Development, a nonprofit research group in Washington, says there are understandable reasons projects take time and suggests that the agency's current five-year timeline for each one may be too short.

# A Leading Asian Utility to Commit To Cutting Down Carbon Emissions

By Keith Bradsher  
THE NEW YORK TIMES

HONG KONG

CLP, one of Asia's largest power utilities, plans to commit itself on Friday to sharply reducing its emissions of carbon dioxide.

The company plans to cut the amount of carbon dioxide it emits with each kilowatt-hour of electricity generated by 4.8 percent over the next three years, and 76 percent by 2050. To do so, it will step up its investments in nuclear power, natural gas, renewable energy and so-called clean coal technologies.

Timed to coincide with climate change negotiations currently under way in Bali, CLP's announcement is the latest step by the power industry in addressing emissions of global-warming gases, especially carbon dioxide, the leading greenhouse gas.

CLP's decision is especially noteworthy, energy experts said, because power companies active in developing countries rarely undertake such initiatives. CLP, of Hong Kong, has large investments in mainland China, Thailand, Taiwan,

India and Australia.

Developing countries are not subject to the emissions limits set under the Kyoto Protocol, but the United States and the European Union are pressing them, at the Bali talks, to at least agree to discuss binding limits for developing countries as well.

"We believe that if everyone takes an approach like this, the magnitude of global warming may be limited to approximately 2 degrees Celsius to 3 degrees Celsius so that the most catastrophic effects of climate change may be off," said Andrew Brandler, the chief executive of CLP Holdings, according to an advance copy of his statement. Two to three degrees Celsius is equal to 3.6 degrees to 5.4 degrees Fahrenheit.

A U.N. panel warned last month that an increase of even this magnitude could cause a rapid rise in sea levels, as ice sheets melted, and the extinction of many species.

The company's plan is less ambitious than those of some utilities in Japan and France, which have set much lower emissions targets and already rely heavily on nuclear en-

ergy, which produces practically no global-warming gases.

Setting its limit only in terms of carbon dioxide per kilowatt-hour of electricity also means that CLP is not committing itself to reducing its total carbon output, or limiting the amount of electricity it generates.

"If you generate more power, then absolute emissions of carbon dioxide will increase," said Frances Yeung, an energy campaigner for Greenpeace.

On Thursday, Greenpeace protesters scaled a fly ash silo at one of CLP's coal-fired power plants and hung a banner reading, "Climate Change Starts Here."

A CLP spokesman, Carl N. Kitchen, said the company was not limiting its overall emissions because it operates in rapidly growing electricity markets and does not want to limit its options.

As if to underline that, Credit Suisse predicted in a research report Thursday that mainland China's power consumption would continue growing by 11 percent to 14 percent a year for the next three to five years.

# Britain Cuts Interest Rate Because of Inflation; ECB Keeps Rate Constant

By Mark Landler  
THE NEW YORK TIMES

FRANKFURT, GERMANY

The European Central Bank, caught between fears of rising inflation and subsiding economic growth, walked a middle ground on Thursday, leaving interest rates unchanged.

But across the channel, the Bank of England opted to take action, cutting its key rate for the first time in two years, by a quarter-point, to 5.5 percent. The bank said the credit squeeze in the United States had curtailed loans for households and businesses, denting Britain's growth prospects.

The different decisions underscore the murky atmosphere as Europe grapples with the fallout from the American mortgage crisis as well as rising prices for oil, food, and other necessities.

"These are not normal times," said Thomas Mayer, chief European economist at Deutsche Bank in London. "The global economy has taken a shock, and you have to decide, 'Does it matter or does it not matter?'"

The European Central Bank, in deciding to leave its benchmark rate at 4 percent, signaled it was more troubled, for the moment, by rising prices. Inflation rose to 3 percent in November — a full percentage point above the threshold preferred by the central bank's monetary policy.

The bank predicts inflation will stay above 2 percent for most of 2008 and warns that it could be amplified by so-called second-round effects, like demands by unions for hefty wage increases.

"We will not tolerate second-round effects," the bank's president, Jean-Claude Trichet, said at a news conference in Frankfurt, implying that the bank would raise rates if it saw such activity.

In a rare departure from his usual discretion about the bank's deliberations, Trichet disclosed that some bankers on the 19-member governing council had argued for raising rates.

The bank's hawkish tone pushed up the euro modestly against the dollar, though the strength of the European currency did not even come up

at the news conference, suggesting that, at least temporarily, it has been displaced by worries about the price of bread and milk.

High prices for food and fuel have also nudged inflation in Britain above the 2 percent target set by the Bank of England. But that bank's monetary policy committee said the threat of inflation was overshadowed by the damping effects of continued turmoil in the credit markets.

In Britain, 1.4 million homeowners are set to refinance their mortgages in the next year or so, Simon Rubinsohn, the chief economist of the Royal Institution of Chartered Surveyors, said in a note. Cutting interest rates will provide them with "some much needed relief," he wrote.

While the European Central Bank emphasized inflation, it is not discounting the potential effects of the credit tightening on Europe. The bank trimmed its forecast for European growth next year to 2 percent, from 2.3 percent, despite what it characterized as a "resilient" global economy.

## Security Progress in Iraq Is Significant But Fragile, Gates Says

By Thom Shanker

THE NEW YORK TIMES

MANAMA, BAHRAIN

U.S. Defense Secretary Robert M. Gates said Thursday that security progress in Iraq was significant yet still fragile, an assessment echoed by the senior U.S. commander in Baghdad, who strongly cautioned against a premature declaration of victory.

Completing his sixth visit to Iraq as defense secretary, Gates met Wednesday and Thursday with commanders in Mosul and in Baghdad, as well as with senior Iraqi officials. He said he left Iraq "encouraged."

"I came away from all of it feeling very good about the direction of things in the security arena, about what is going on at the local and provincial level in terms of people reaching out to each other, crossing tribal, sectarian, and provincial boundaries to work together," Gates said.

He spoke in Bahrain, where he will attend an annual conference on regional security.

He acknowledged that political reconciliation at the national level must accelerate and that it had not kept up with progress by local and provincial officials.

"I came away with a sense that there is growing pressure from below for the top levels of the government to replicate the kind of reconciliation that is going on in a variety of other places in Iraq," Gates said.

## House Sets Higher Goal For Vehicle Fuel Efficiency

By John M. Broder

THE NEW YORK TIMES

WASHINGTON

Brushing aside a veto threat from the White House, the House passed a package of energy measures on Thursday that includes a 40 percent increase in fuel economy standards for cars and light trucks sold in the United States.

The bill's supporters say it will reduce the nation's dependence on imported oil, jump-start development of clean-energy technologies and sharply reduce the nation's production of heat-trapping gases like carbon dioxide.

But the complex and costly bill is all but certain to be radically rewritten when it reaches the Senate because of opposition there to two provisions: \$21 billion in new taxes, mostly on the oil industry, and a mandate that electric utilities must generate 15 percent of their power from alternative sources, like wind or solar. The White House threatened to veto the bill if the final version contains those or several other provisions passed by the House.

The House vote was 235-181, with 14 Republicans voting for it and seven Democrats voting against.

Environmental groups, consumer advocates, and alternative-energy companies hailed House passage of the bill, but a broad array of opponents, including cattlemen, coal producers, and multinational oil companies, are lining up to block it.

The centerpiece of the bill is a requirement that passenger vehicles sold in the United States achieve a fleet average of 35 miles per gallon by 2020, the first significant increase in mileage standards since 1975.

## Former UnitedHealth Chief Will Forfeit \$418 Million

By Eric Dash

THE NEW YORK TIMES

In one of the largest corporate pay give-backs ever, Dr. William W. McGuire, the former chief executive of UnitedHealth Group, has agreed to forfeit at least \$418 million to settle claims related to backdated stock options.

The payback is on top of roughly \$198 million that McGuire, an entrepreneur who built UnitedHealth, had previously agreed to return to his former employer.

The total — \$618 million — includes money that McGuire will return as part of separate settlements reached Thursday with the Securities and Exchange Commission and UnitedHealth shareholders. The forfeitures are the first time regulators have successfully employed corporate governance rules put in place after the collapse of Enron that force executives to disgorge ill-gotten gains.

As part of the settlement with the SEC, McGuire will pay a \$7 million fine and will be barred from serving as a director of a public company for 10 years. He will, however, be allowed to keep stock options valued at more than \$800 million, including many that have been sharply criticized.

## Bomb Kills One in Paris Law Office

By Elaine Sciolino

THE NEW YORK TIMES

PARIS

An explosion from a bomb in a package delivered to a lawyers' office in the heart of Paris killed one person and seriously wounded another on Thursday, the police said.

Paris's chief prosecutor, Jean-Claude Marin, told reporters at the scene that a legal secretary in the law firm was killed after she opened the booby-trapped package delivered by a messenger and addressed to a lawyer in the firm.

He said that one of the firm's lawyers had been hospitalized in serious condition from the explosion and that 10 people were being treated for shock.

The police were struggling to determine the motive behind the attack. The law firm of Catherine Gouet-Jenselme deals largely with commercial and personal matters, including real estate and insurance cases.

The building where the bomb exploded is located on the Boulevard Malesherbes near the 19th century Saint-Augustin Church.

The building contains several law firms, including one where President Nicolas Sarkozy was once a partner. It also houses the Foundation for the Memory of the Shoah, which is dedicated to researching the Holocaust and Jewish culture, and apartments. French news reports say that Sarkozy still holds a 34 percent ownership share in the firm where he was partner.

# OPINION

## Letters To The Editor



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### ‘Intellectual Property’ Term Is Vague

Friday’s news article about OLPC (“OLPC Sued for Allegedly Copying Keyboard Design,” Nov. 30, 2007) uses the term “intellectual property,” which is a tool of harmful vagueness. It lumps together copyright law and patent law (totally different) with other and disparate laws. Perhaps this term is why OLPC is unable to be sure whether the accusation concerns patents or copyrights. If we learn to recognize use of “intellectual property” as a sign that crucial information is missing, we can promote clear thinking about these various laws. See <http://www.gnu.org/philosophy/not-ipr.html>.

The article says that the OLPC runs the “open source Linux operating system.” In fact, Linux (started 1991) is the kernel used together with the GNU operating system (started 1984). Some parts of GNU use the open source development model, but the aim of GNU is not a development model, it’s to respect the user’s freedom (free software).

Richard M. Stallman  
CSAIL Research Affiliate  
Chief GNUisance ([gnu.org](http://gnu.org))  
Free Software Foundation President ([fsf.org](http://fsf.org))

### Junk Food Ban Warranted

Charles Lin’s recent column on junk food school lunch bans (“Squid vs. Whale: Treasuring Junk Food,” Dec. 4, 2007) was highly entertaining but “lite” on facts. He sets out a very tempting, very familiar assault on regulatory control by appealing to our nostalgia for childhood indulgences and the liberties of youthful exploration. Indeed, who can resist the passages where he reminisces on Fruit Roll Up fests and pop rocks-soda chemical wonders?

Following these well-worn tropes of innocence lost and the big bad Big Brother

(Does anyone else hear Andy Rooney quipping, “When I was a kid ...?”), Lin takes us to a less than astonishing conclusion: that junk food doesn’t kill people, people (who do not exercise themselves properly) kill people. Thus — surprise — it is not junk food that causes our weight problems, but inactivity and video games. Here, too, Lin displays a dogged, or rather, a deceptively gentle narrowness as to what might be the underlying cause of this epidemic. For him, it is the siren call of well-crafted video game platforms which has led us astray from our playground pursuits.

In sum, Lin would have us believe that we (the consumer) are victims of our own choice. We choose to eat the junk food, we choose to bring it to school, we choose to stay indoors and play our way-cool game console, the console we chose to purchase over that other not-so-cool console. Given this narrative, it is easy to see why he balks at the government’s paternalistic, heavy-handed intervention into our individual lives, its constraints on our personal liberties. And it is easy to come to the conclusion he brings us to, that the solution must lie in crafting equally seductive choices — healthy game consoles — that will lure us of our own volition back onto the path of healthy living.

Where does one begin to argue with this picture? I might start with several convenient assertions Lin offers us, anecdotes that he dresses as factual supports for his thesis.

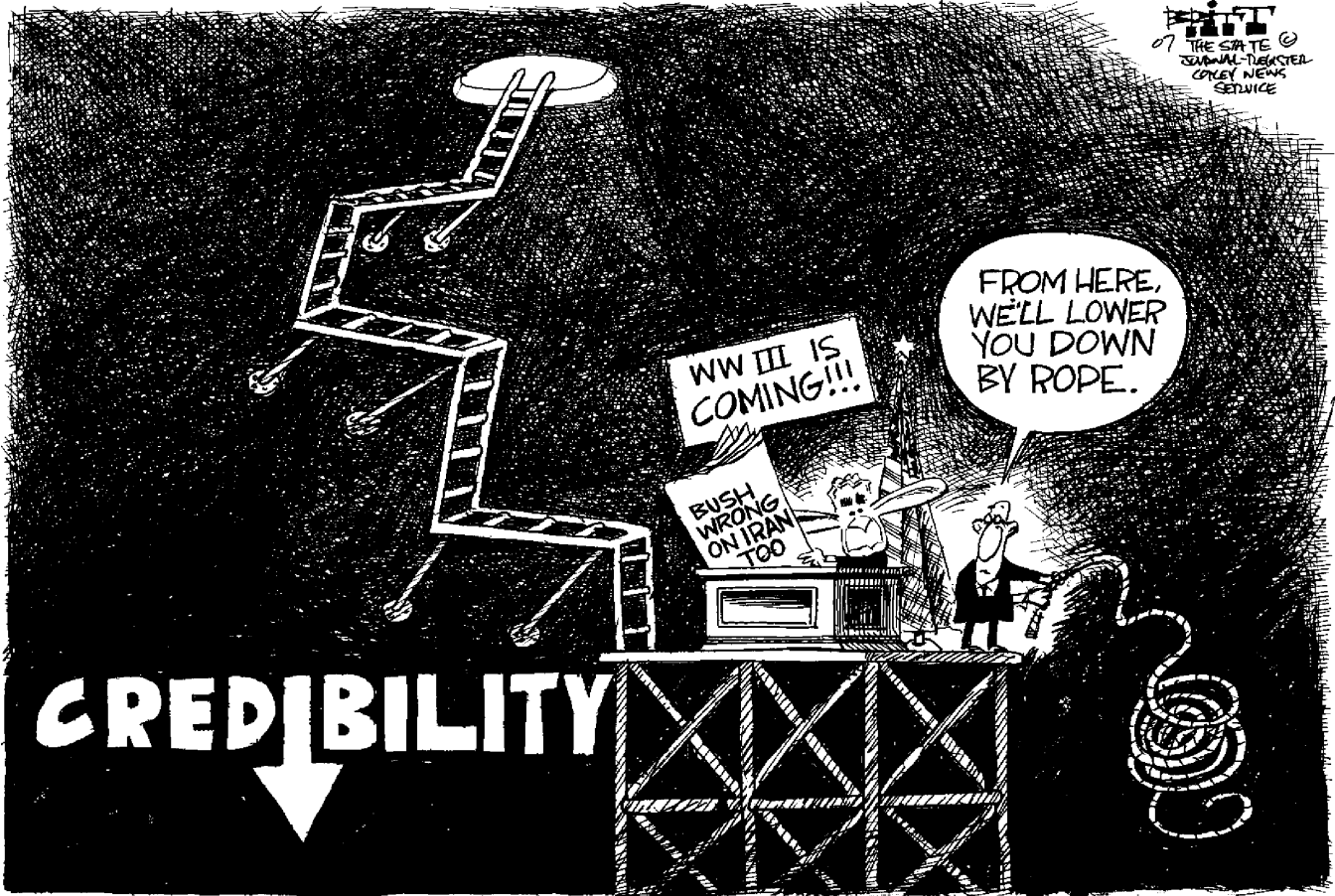
One is the assertion that we all ate junk food and are fine, so it can’t be that. Yet rising sales of soda and junk food do correlate with rising obesity, heart disease, and diabetes. Lin incorrectly assumes that this epidemic emerged after his 1990s childhood. In fact, it began way back in the 1970s and 1980s, if not arguably earlier in post-World War II America. Plus, there is a slippery kind of reasoning that Lin deploys, one that has also surfaced in liability disputes surrounding cigarettes (an analogous “bad behavior” correlated to heart disease), which takes the individual case to refute a well-established

population trend. Some of us can indulge in unhealthy habits and be none the worse for wear. However, these are the exceptions that prove the rule. Most people who make a habit of eating junk food will suffer higher probabilities of future chronic degenerative disease.

Lin also omits relevant facts about the rising availability of junk food. Yes, McDonald’s has been around as a national corporate chain since the 1950s, but one could not find McDonald’s or Pizza Hut in a school cafeteria until the 1990s. (Coca-cola soda machines entered school hallways only slightly earlier.) And decisions to permit them there were high-stakes. Unlike most other public spaces, children do not exactly choose to be there. Schools, as sites of consumption, have captive audiences. Oh, and need I add that reduced playtime is also an institutional concern? Since the 1990s, schools have decreased students’ recess time and gymnastics, a fact which must play some part in Lin’s conclusions about growing inactivity.

These extenuating circumstances are not merely complaints about the facts of Lin’s account, they cut to the core of how he frames the problem. Lin ignores how non-governmental organizations, and in particular food industries, also shape and direct individual consumer choice. Government regulation, albeit only when it is done well, is designed to protect consumers from an unequal playing field. And this is doubly true for minors who lack social experience and biological cognitive abilities to judge the long-term health consequences of their actions. Despite their laissez-faire, anything-goes rhetoric, industries know this. They know that regulation sets the boundaries of fair play within which they interact and build our marketplace. So why shouldn’t we, the consumers, also appreciate the machinery of the government as an institution that represents the aggregate public will and concerns of its citizens? In the real world, not the wistful world of nostalgia, we cannot have our cake and eat it too.

Xaq Z. Frohlich G



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# Appeasing the RIAA Is Getting Us Nowhere

## MIT Should Stand Up for Its Students

Erek Speed

In a now not so surprising move to avoid any entanglement in students' affairs, Dean for Student Life Larry G. Benedict's sole opinion of the Recording Industry Association of America in his last letter was, "We believe this campaign will continue and expand." What follows is a tacit approval of the RIAA's actions and a quick guide on how to easily appease the RIAA. MIT's decision to kowtow to the RIAA is a mistake, both legally and principally.

Even if the RIAA was really the poor victim it claims to be, MIT probably should not be so quick to fall into its role as RIAA lapdog. The reason pre-litigation letters are sent is because real lawsuits are expensive. It is not an act of clemency or a new well of kindness suddenly sprung up in the previously evil RIAA.

Nowhere in MIT's charter does it demand the safeguarding of corporate coffers. A brief search actually turns up a different purpose: "the advancement, development and practical application of science in connection with arts, agriculture, manufactures, and commerce." It

might be a stretch but I think it is more true to our charter that MIT take a stance that opposes anything the RIAA does to stifle the free flow of information and should only cooperate where legally mandated.

While some might argue that forwarding pre-litigation letters helps individual students, MIT should think about students as a whole who benefit from an Institute which cares more about their education than indulging the RIAA. Moreover, compared to the money the RIAA saves from not having to serve a lawsuit, the students save nearly nothing over the settlement amount post-lawsuit.

Perhaps even more troubling, though, is MIT's belief that the RIAA has the law on its side. It doesn't. What the RIAA is really doing is more akin to extortion; in fact, the letters sent explicitly tell poor students (and others) that settling is cheaper than challenging the RIAA in court. I don't really blame the RIAA

for that; if I had the legal standing the RIAA has, I wouldn't want to go to court either.

The RIAA groups unrelated defendants in John Doe lawsuits and uses its billion dollar industry to crush them. You can check the case law yourself, but the RIAA's motions are actually ridiculous. Unfortunately, that doesn't matter because the RIAA uses legal tricks to ensure nobody is around to oppose it. The District Court of New Mexico denied such a subpoena, saying that it would require a "Coleridian 'suspension of disbelief'" to accept such anonymous lawsuits.

Of course, if all this is true (and it is), why does MIT let it happen? Benedict says, "MIT is legally required to provide the information sought by the valid subpoenas." This is simply factually incorrect. That such an error was included in his letter (several times) might be an indication that MIT needs new lawyers. MIT can, in fact, serve a motion to essentially reject the subpoena. There is (specific) prec-

edent for this.

Currently, students at George Washington University are in the midst of doing this right now. I have read one student's (John Doe #3) motion and some of it is almost tautological. The University of Oregon, along with the attorney general of the same state, has also filed a similar motion, just like MIT could do. Instead, MIT is washing its hands of all of it, once again throwing its students to the dogs. MIT should stand up for its students and either use its legal team to oppose the RIAA or create a legal defense fund so that poor students can defend themselves.

Other schools have walked the path MIT is currently moving down, and the only results have been further restriction of the free flow of information. Ohio State University even installed exceptionally expensive peer-to-peer blocking software in its attempt to placate the RIAA and where are we? The RIAA is still lobbying Congress for federally mandated university restriction of the Internet, and it is still suing students.

Clearly the strategy of appeasing the RIAA has not worked. It is time to fight back.

*Erek Speed is a member of the Class of 2009.*

RBA and REX

Dorm Security

LEDs & airports

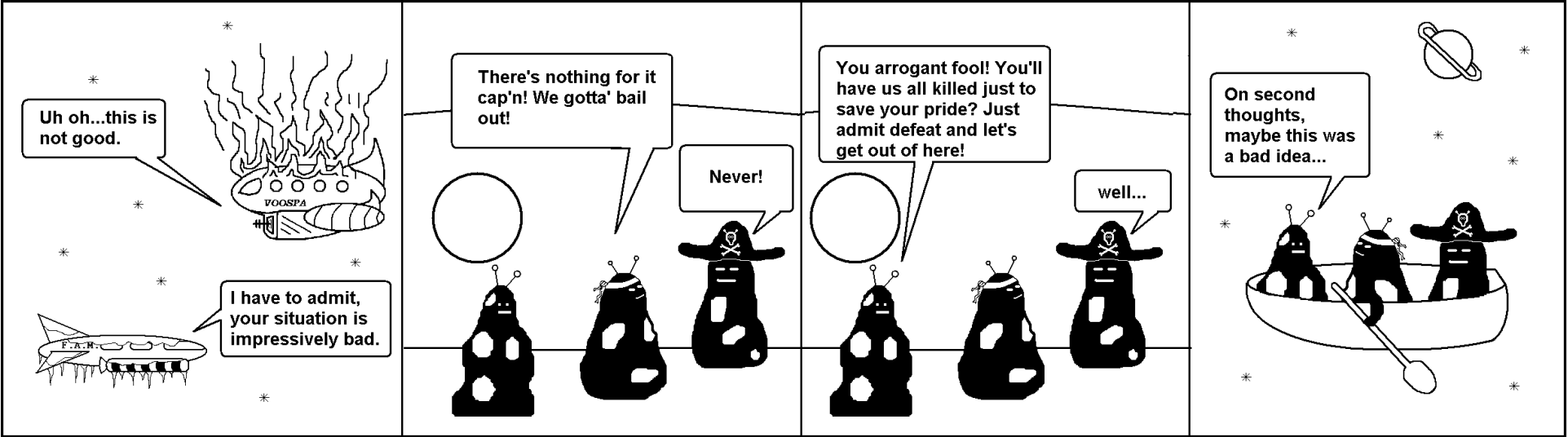
Give a damn?

Don't just stew in silence...

Be heard!  
Write opinion for *The Tech*.  
[join@the-tech.mit.edu](mailto:join@the-tech.mit.edu)

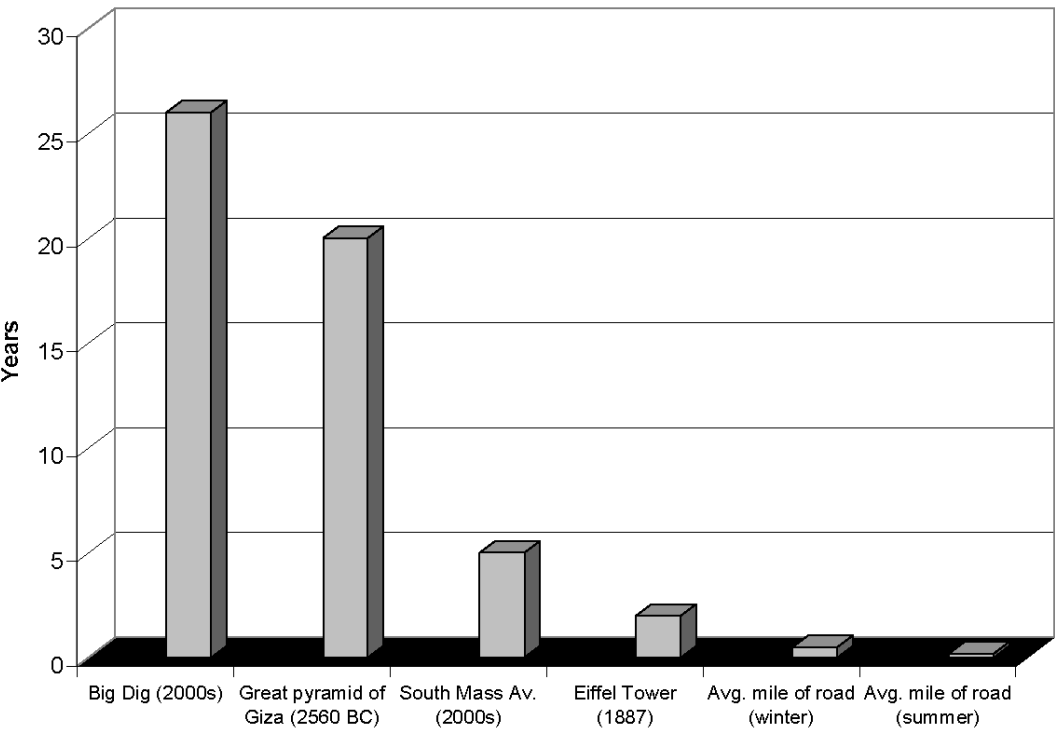
OVNI

by Roxana Safipour



Pseudoscience

by Daniel Klein-Marcuschamer



**Figure 22.** Time needed for construction of different projects, as of December 2007. The first four are actual projects, with the approximate historical period of construction in parenthesis. A comparison between South Mass Av. and the average construction times for roads in winter and summer seasons disproves weather as a factor for sluggishness. If the Big Dig was finished today, a Great Pyramid and three Eiffel Towers could have been built during its construction period. This estimate does not account for either technological advances or construction costs, which would increase the total to four Pyramids and 12 Towers. The cost estimation for these 16 monuments does not include zoning permits.

su | do | ku

© Puzzles by Pappocom

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9. Solution on page 15.

		2		6		1	8
	8			4			3
				1		5	
	6	5					
7							5
					9	2	
		6		8			
2				9		6	
9	4		3		1		

Solution, tips, and computer program at <http://www.sudoku.com>

Crossword Puzzle

Solution, page 15

ACROSS

- 1 Stare goggle-eyed  
5 Granny's wrap  
10 Type of shark  
14 Mystique  
15 Not a chance!  
16 Tree of Knowledge site  
17 Keeps sharp  
20 Dad  
21 Christmas in France  
22 Haggard or Oberon  
23 Unclear  
24 Most reasonable  
26 Assert without proof  
29 Gets grimy  
30 Suds order  
31 Chopin piece  
32 Small ruckus  
35 Survives a crisis  
39 Ultimate act

- 40 Bestow upon  
41 Focal points  
42 Little fragment  
43 Party platform elements  
45 Orient  
48 English bloke  
49 Letter-shaped girder  
50 What a pity!  
51 Kind of pot or bag  
54 Acts mulish  
58 Improve on a draft  
59 Bones in forearms  
60 Jagged cut  
61 Minus  
62 Noggins  
63 "Riders of the Purple Sage" author

DOWN

- 1 Huff and puff  
2 NASCAR word

- 3 Present packaging  
4 Remuneration  
5 Forty winks  
6 Sweetheart  
7 G.I. on the lam  
8 Pallid  
9 Strong alkali  
10 Taxi devices  
11 Dote on  
12 Sailboat features  
13 Early stage  
18 Hang-up  
19 Mugs for the camera  
23 Bunch of buffalo  
24 Discovered  
25 Right-hand man  
26 Up to the job  
27 Wiry  
28 Advance  
29 Bundle-of-joy bird  
31 Put into law  
32 Ages and ages

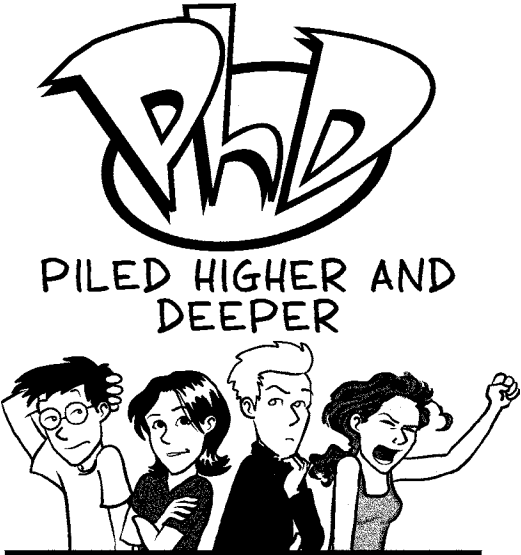
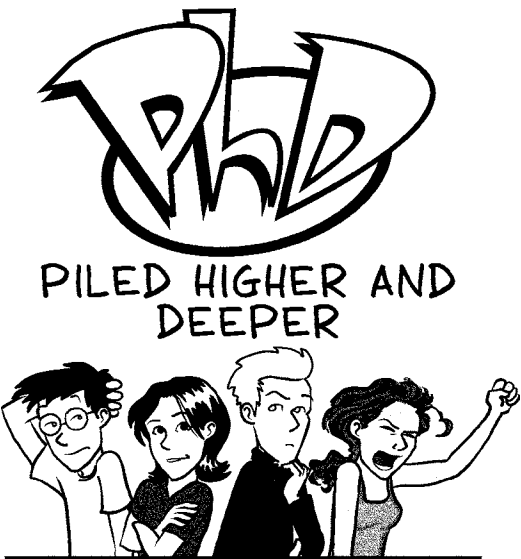
- and ages  
33 Poop, e.g.  
34 Soul singer Redding  
36 Meat for heroes?  
37 Hasn't paid up  
38 Hubbub  
42 Thanksgiving celebrations  
43 Moon periods  
44 Wield a whip  
45 Cuba's Castro  
46 Put up with  
47 Television host Philbin  
48 Spotless  
50 "The King and I" heroine  
51 Go at a gallop  
52 Ultimatum word  
53 Soot-covered  
55 Gist  
56 Fiesta shout  
57 Faberge creation

1	2	3	4	5	6	7	8	9	10	11	12	13
14				15					16			
17				18					19			
20				21					22			
			23				24	25				
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30					31					32	33	34
35				36	37				38			
39				40					41			
			42					43	44			
45	46	47					48					
49						50				51	52	53
54					55	56				57		
58					59					60		
61					62					63		



Doonesbury  
BY GARRY TRUDEAU

Dilbert® by Scott Adams



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Bonus Crossword

Solution, page 17

ACROSS

- 1 Spoke first
- 12 Half a fly?
- 15 Sensible
- 16 Over the hill
- 17 Common knowledge
- 18 Tennis shot
- 19 Galley blade
- 20 Of a people: pref.
- 21 Ballesteros of golf
- 22 Collect ore
- 24 Goddess of folly
- 25 Less carefully created
- 27 South Bend eleven
- 29 Be off with you!
- 31 Sweet drinks
- 34 Chimney collection
- 35 Journalist Horace
- 36 "Bad Day at Black Rock" director
- 40 Cash advance

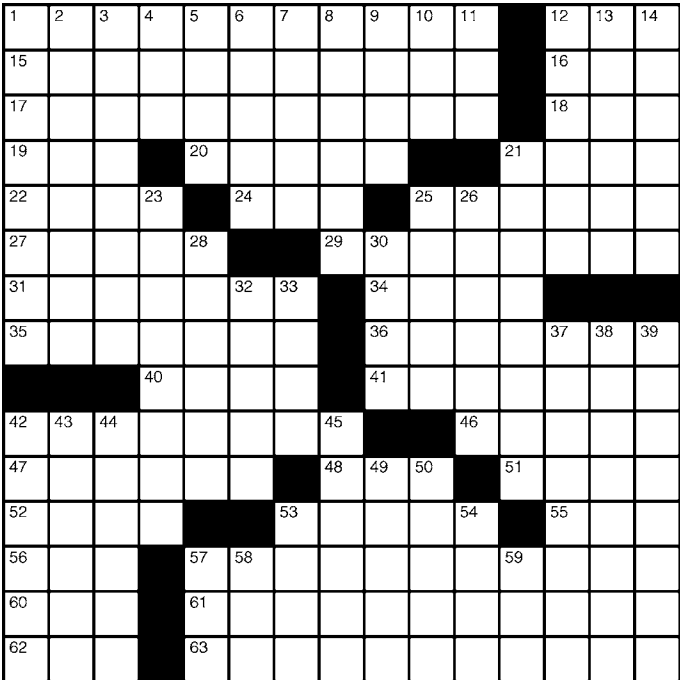
- 41 Dependent
- 42 Long-range shooters
- 46 Lexical meaning
- 47 Way out
- 48 4-stringed guitar
- 51 Sandberg of baseball
- 52 Claire and Balin
- 53 Idle and Ambler
- 55 \_\_ de mer
- 56 No-good ending
- 57 Makes zero progress
- 60 French season
- 61 Big name in cosmetics
- 62 Legal thing
- 63 Spitting images

DOWN

- 1 In flower
- 2 Mr. Fixit

- 3 Too kind?
- 4 Howard or Norton
- 5 Otherwise
- 6 Greek letter
- 7 "The Front Page" playwright
- 8 Worker
- 9 Graphic beginning?
- 10 This or that French object
- 11 H. Ross Perot company
- 12 City on Lake Erie
- 13 Litterbug
- 14 Two-time Wimbledon champion
- 21 More hot and humid
- 23 Getty and Winwood
- 25 Twenty fins?
- 26 Dufy and Walsh

- 28 Glowing rings
- 30 Intl. power, once
- 32 Does pipe cleaning
- 33 "Auld Lang \_\_"
- 37 Jovian satellite
- 38 Trapper
- 39 Pittsburgh team
- 42 "A Few Good Men" director
- 43 Start burning
- 44 Riker of "Star Trek: TNG"
- 45 Fostered
- 49 1946-52 home-run leader
- 50 Pathogenic bacteria
- 53 Vocalist James
- 54 Graceful dive
- 57 Dropout's cert.
- 58 Map dir.
- 59 Embrace



## ARTS

## THEATER REVIEW

*Something for Everyone**MTG Delivers an Innovative 'Pippin'*

By Bogdan Fedeles

STAFF WRITER

*Pippin*

MIT Musical Theatre Guild

Directed by Krista Sergi

Nov. 30 – Dec. 8, 2007

La Sala de Puerto Rico

A couple of months ago, I was excited to find out that MIT Musical Theatre Guild would produce “Pippin,” and I have been eagerly awaiting the premiere ever since. This musical is particularly endearing, not only because of its catchy music but also because of its remarkably powerful symbolism. The story is an allegory of life itself, unwinding as a journey of self-discovery. It offers a little bit of everything and has something for everyone.

“Pippin” is the historical tale of one of Charlemagne’s sons, Pippin, and his search for meaning while living in the overwhelming shadow of his father the king. After studying at one of the Middle Age’s leading universities, Pippin returns home ready to embrace life in the real world as he searches for his true calling. However, due to his naïve and idealistic views, Pippin’s various careers — which include being a soldier alongside his father, enjoying the simple pleasures of life as a debauched prince, serving as a politician with throne ambitions, and acting as a peasant immersed in the pastoral life — are short-lived and not fulfilling. In the end, Pippin is faced with the ultimate choice between a devil-crafted extraordinary destiny and a common fate alongside a loving but ordinary woman.

This simple story lends itself perfectly to heavy symbolism, allowing each spectator to identify themselves with the protagonist and his obsessive searches for meaning in life. The plot is helped by Stephen Schwartz’s truly outstanding score, which strikes an amazing balance between the more convoluted arias of traditional musicals and the catchy choruses of contemporary pop songs. Consequently, Schwartz’s tunes resonate in spectators’ heads long after they leave the theater. In addition, the lyrics — also by Schwartz — are deliciously funny and amazingly fresh, in spite of the fact that they were written more than 30 years ago.

MTG’s vibrant production of “Pippin,” directed by Krista Sergi, is above everything very innovative and original. The plot, though simple, requires multiple fast changes of backdrops, which can be difficult to pull off. MTG’s set solution involved a static frame that could



ANDREA ROBLES—THE TECH

In the Musical Theatre Guild’s production of “Pippin,” Mia A. Shandell ’10 watches over Pippin (Benjamin Moncivaiz ’11) as he is crowned king after he killed his father for being an unjust ruler.

be redecorated with minimal props from scene to scene. Often the main cast carried out these changes as part of their dance routines, delivering seamless and very satisfying transitions.

The multipurpose nature of some of the props and costumes also enhanced the symbolism of the story, as props acquired different meanings when seen in a different light. Indeed, lighting was the key to this show’s magic; the scheme was intricate and highly effective in setting the mood for each scene. Notable effects here included the opening, when the performer’s faces were only lit from the floor for an eerie effect, and the cathedral scene, where the dim crimson lights conjured a truly pious atmosphere.

MTG’s interpretation of the script also bears elements of innovation. The most striking of these interpretations is the anthropomorphized map (J. Karen Wong ’10) used by Charlemagne (Kenneth N. Kamrin G) to describe his plan of battle. The original topology of the map conveys lyrical double entendres with hilarious implications. For another humorous touch, the angels

summoned by Catherine (Karen A. Hart ’11) to cheer up Pippin (Benjamin Moncivaiz ’11) are the devil’s minions with angel wings — hinting yet again towards the dichotomy of human nature. Finally, the sex scene from the second act is worth noting for its originality and humor, not to mention the acrobatic skills of the performers (Wong and Matthew E. Spencer G).

The main cast also delivered a vast array of vocal talent, and each of the catchy tunes was brought to life with lots of passion and enthusiasm. As the leading player, Mia A. Shandell ’10 engaged the audience with her seductive voice and a very commanding stage presence. Moncivaiz was an inspiring Pippin during his theme song “Corners of the Sky” and was especially moving in the lyrical ballads “With You” and “Love Song.” Danbee Kim ’09 (also a *Tech* cartoonist) superbly delivered the high-spirited scene with Pippin’s grandmother, Berthe. Her solid vocal talents and amazing acting and dancing skills established the song “No Time at All” as the most memorable piece in the whole

musical. “No Time at All” also featured a sing-along moment, where the audience joined the performers for a couple of choruses, adding to the number’s memorability.

Carrie A. Lee ’10 delivered a delightful portrayal of Fastrada, Pippin’s stepmother, seducing the audience not only through her resonant voice but also her dancing skills. Charlemagne’s portrayal was equally captivating, as Kamrin’s deep voice and polished acting projected a king-worthy awe. Last but not least, Hart showcased the best voice in the whole musical. Although her numbers were relatively short, her soulful voice, precise intonation, and passionate delivery moved the audience to tears.

Over all, MTG’s “Pippin” is an amazing treat for the heart and the mind. True to its nature, this musical merges exuberant singing with energetic dancing and lots of humor. For those looking for more than simple fun, the symbolism of the story is guaranteed to keep you pondering. I highly recommend seeing it before it closes this Saturday.

## MOVIE REVIEW ★★★

*Dylan in the Movies**‘I’m Not There’ Puts Together Pieces of a Larger-Than-Life Musician*

By Charles Lin

STAFF WRITER

*I’m Not There*

Directed by Todd Haynes

Written by Todd Haynes and Oren Moverman

Starring: Cate Blanchett, Christian Bale, and Marcus Carl Franklin

Rated R

Now playing

The average biopic takes the life of an extraordinary person and creates a larger than life characterization. Well, what do you do when the subject in question is already larger than life? What do you do when your subject is Bob Dylan, an inconsistent and self-contradictory man inseparable from the shadow of his own legend? Simple: you cast six people to play him, and you make up an impossibly fantastic world for your six Dylans to inhabit.

In “I’m Not There,” Todd Haynes’s film inspired by the life and songs of Bob Dylan, one sixth of Dylan is an 11-year-old world-weary African-American boy; the remaining fractions are comprised of a jaded movie star, an androgynous speed freak, a hyper self-conscious poet, a disillusioned folk singer turned reborn Christian, and last but not least, an aging fugitive living in a carnival world of the grotesque.

That these characterizations are so over the top is a testament to the legend surrounding Dylan. If he himself is larger than life, then the six characters portraying him are larger than Dylan. For better or for worse, they are exaggerations rather than personifications of Dylan’s many sides. By splitting Dylan into six, these portrayals reject the notion that he could have inhabited all of these characters at

once, and in that way, they elude the inherent contradictions that make Dylan Dylan.

If that doesn’t make sense ... well, this is a film that doesn’t make sense, just as Dylan’s own history doesn’t make sense. As do Dylan’s ever-changing philosophies, the film makes many points but struggles to find a central theme. It rambles and jumps from moment to moment; it gets lost in its own words. It surrenders the notion of capturing the essence of Dylan as a whole, and so it divides and conquers the many periods of Dylan by demonstrating his shifting musical styles and changing world views. The defining moments in Dylan’s life become characters, including his young self’s exodus from Minnesota and Robert Zimmerman (his birth name), his rejection of protest songs, and his transition to electric guitar.

The actors that play these snapshots of Dylan channel him so fiercely that they could be mistaken for Dylan himself. Marcus Carl Franklin and Christian Bale give standout performances, and Cate Blanchett’s androgynously drugged out Dylan steals the show. Blanchett perfectly recalls Dylan at his most sarcastic and combative, and she shines at the center of Dylan’s most hallucinatory and drug-centric years.

The film plays out like one big hallucination of the ’60s and ’70s. It’s quick, witty, and biting, taking shots at the Beatles, Joan Baez, Mod Culture, and the entire Greenwich Village folk scene of the early ’60s. No one is spared, not even Dylan himself, as his doppelgangers emphasize his worst ticks and excesses.

As one note of warning, the film is top heavy with anachronisms and inside jokes. This can either be a great source of laughs or an extra layer of confusion — at the showing I attended, most

of the laughs came from the over 40 crowd. Scary, really. Many of the scenes in the movie are lifted right out of iconic memories and photographs of Dylan, and there are plenty of “blink and you’ll miss it” moments.

There’s also a heavy layer of commentary injected by the director. Many bits of dialogue have added meaning when you consider what’s become of Dylan and his music nowadays. For instance, amidst the lineup of alarmingly waspish folk fans who bemoan Dylan’s switch to noisy electric, Haynes plants a modern hipster into the lineup, giving the send up line, “I kinda like being blasted out of my skin.”

In spite of the film’s complexities, or rather because of them, “I’m Not There” largely succeeds (which is remarkable considering most films usually need things like a plot and a structure). But somehow this hallucinatory, exaggerated, and fractured take on Dylan finds a way to really hit home and connect the audience to the soul of Dylan’s legend. Perhaps there is no better way to capture the essence of a rambling, half-fictional icon of American culture than with a rambling, entirely fictional film.



JONATHAN WENK—THE WEINSTEIN COMPANY

Cate Blanchett plays one of six incarnations of Bob Dylan in the movie “I’m Not There.”



MOVIE REVIEW ★★★★★

# Set Your Sights for the Northern Lights

## Daemons and Bears and Gyptians, Oh My! 'The Golden Compass' Is All Aglow

**By Rosa Cao**  
*STAFF WRITER*  
*The Golden Compass*  
Written and directed by Chris Weitz, based on the novel by Philip Pullman  
Starring: Nicole Kidman, Daniel Craig, and Dakota Blue Richards  
Rated PG-13  
Opens today

Picture a girl on the back of a polar bear, bounding across an endless icy expanse with the aurora borealis crackling above, its shimmering veils hiding intimations of a city in the sky. Philip Pullman's *His Dark Materials* is a captivating exploration not only of new worlds but new ideas and the possibility of hope in a world with and without God.

While New Line Cinema's screen adaptation of the first book, *The Golden Compass* (originally published 12 years ago as *Northern Lights*) doesn't exactly live up to the transcendent determination and joyous complexity of the book, it is captivating in its own right.

We follow Lyra (played with stunning poise by Dakota Blue Richards) in a breathless chase from the stable confines of Jordan College, Oxford, where she reigns supreme among the local kids in games of make-believe and one-upsmanship, to the glamorous whirl of London in the fair but evil clutches of the aptly named Mrs. Coulter (Nicole Kidman), to the beautiful and terrible world of the far north in pursuit of Lyra's fearless explorer uncle Asriel (Daniel Craig). But soul-severers and other dangers lurk in the north and Lyra and her friends suddenly seem very, very small.

Welcome to Lyra's universe, where everyone comes with a daemon, the animal manifestation of one's deepest soul. Here, the mysterious golden substance known as "Dust" swirls meaningfully around every action with Penrosian aplomb, while a fascist Church called the Magisterium tries desperately to eliminate free thought and free-thinkers by any means necessary. No, don't ask how this world is different from our own. Instead, watch out for two of the Magisterium's more nefarious tools: Mrs. Coulter (first name Marisa, in case you were

wondering) and Fra Pavel (Simon McBurney), a greasy priest with a inquisitorial streak.

Christian groups here and abroad have raised a minor uproar about the movie, which they fear will promote atheism and corrupt the youth. In England, where Pullman's books have enjoyed popular acclaim for years, the religious criticism has been balanced by an enthusiastic endorsement from the Archbishop of Canterbury. Perhaps as a result of the controversy, what we get from Director Chris Weitz is sweetened up and smoothed down — which won't placate the hardliners but does diminish some of the moral complexity of the characters. Fortunately, enough ambiguity remains to keep things interesting.

Lyra's own daemon is named Pantalaimon. Too young to have settled into a single form, he has a character both distinct and endearing in every transformation, from luxuriously furry pine marten to supplicating mouse to hissing wildcat. When Lyra, all bravado, declares, "I want to go to Svalbard!" Pantalaimon's fur turns Arctic white. "But it's cold up there!" he protests, brain-meltingly adorable without a hint of Disney-esque fakeness. Better yet, Pan (for short) is not alone: every daemon (and there are dozens) is beautifully rendered, transforming seamlessly and utterly believable as they romp, fight, and die in clouds of golden Dust alongside their humans.

The movie format lets scenes like the fight of the Panserbjørne (armored bears) explode into overwhelming visual experiences, ones that words, however well constructed, could only attempt to evoke. Or sit back and shiver to the haunting grace of Serafina Pekkala (Eva Green) and her clan of witches borne on branches of cloud-pine as they swoop into battle.

But the best thing about the movie is the young actress who plays Lyra. Thanks to Richards' stunningly poised performance, there isn't the slightest doubt why *this* girl is special, why the witches have prophecies about her, why she could save the world — or destroy it. When she faces down the Tartar hordes with their ravening wolf-daemons, when she confronts the insane king of the armored bears, it's easy to believe that, even without the anthropic principle



Dakota Blue Richards (right) is Lyra Belacqua, a girl trying to save her kidnapped friend, in "The Golden Compass." Nicole Kidman (left) co-stars as Mrs. Coulter.

of fiction, she has a fighting chance.

The rest of the cast is quite credible, if less thrilling. While it's undeniable that Nicole Kidman looks slightly scary whether she means to or not, Mrs. Coulter is only pleasantly evil, not captivatingly so. Unfortunately, Kidman doesn't hold a candle to, say, Tilda Swinton at inducing sheer sexy terror. And while the creators got Lee Scoresby (Sam Elliot) dead-on, an unusually charming Texan with a hare-daemon sporting ears the size of, well, Texas, why did they downgrade his gorgeous billowing balloon of silk and hot air to a clunky boat with weird-looking silver gobs at each end?

And then, there are other minor flaws. The score seems always a register out of touch ... a little too overwrought here, a little too mundane there. It made me wish for as deft a hand as accompanied Peter Jackson in *Lord of the Rings*. The pacing is odd: some scenes, while gorgeous, were slow (yes, that's pretty, but I

want to know what happens next!), while others shift abruptly with little explanation or transition (wait, how did we all end up at 10,000 feet?). This is unfortunate since it fails to do justice to the sheer richness of the background. The metaphysics of Dust, that elementary particle around which the plot revolves, is left woefully under-explained, while the workings of the truth-telling alethiometer (which looks like a golden compass of the title) are subjected to dry and repetitive pedagogy.

But no matter. Smarter than Potter, more relevant than *Lord of the Rings*, and a welcome antidote to the preachiness of *Narnia*, Pullman's trilogy is unparalleled for sheer reckless grandeur. It's too bad the movie ends before we can catch up with Lord Asriel and that city in the sky again, so we can only hope that it's successful enough to motivate the filming of the next installment. And if you really want to know what happens next ... well, you'll just have to read the books.

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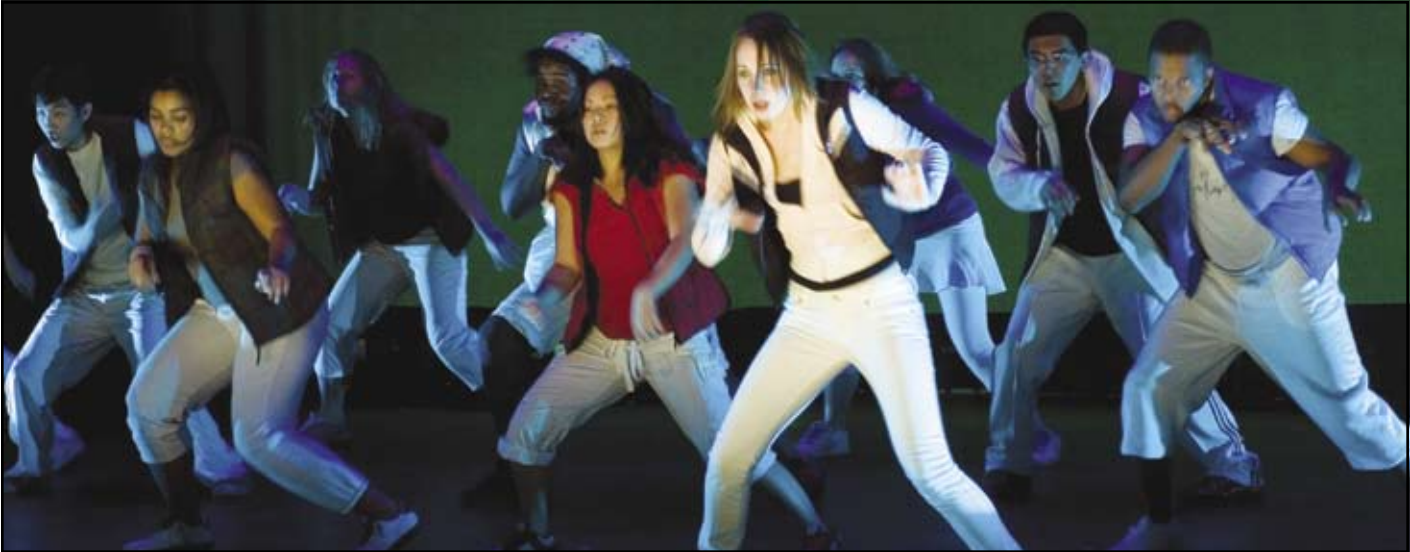
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# MIT Dance Troupe To Hold Fall Concert

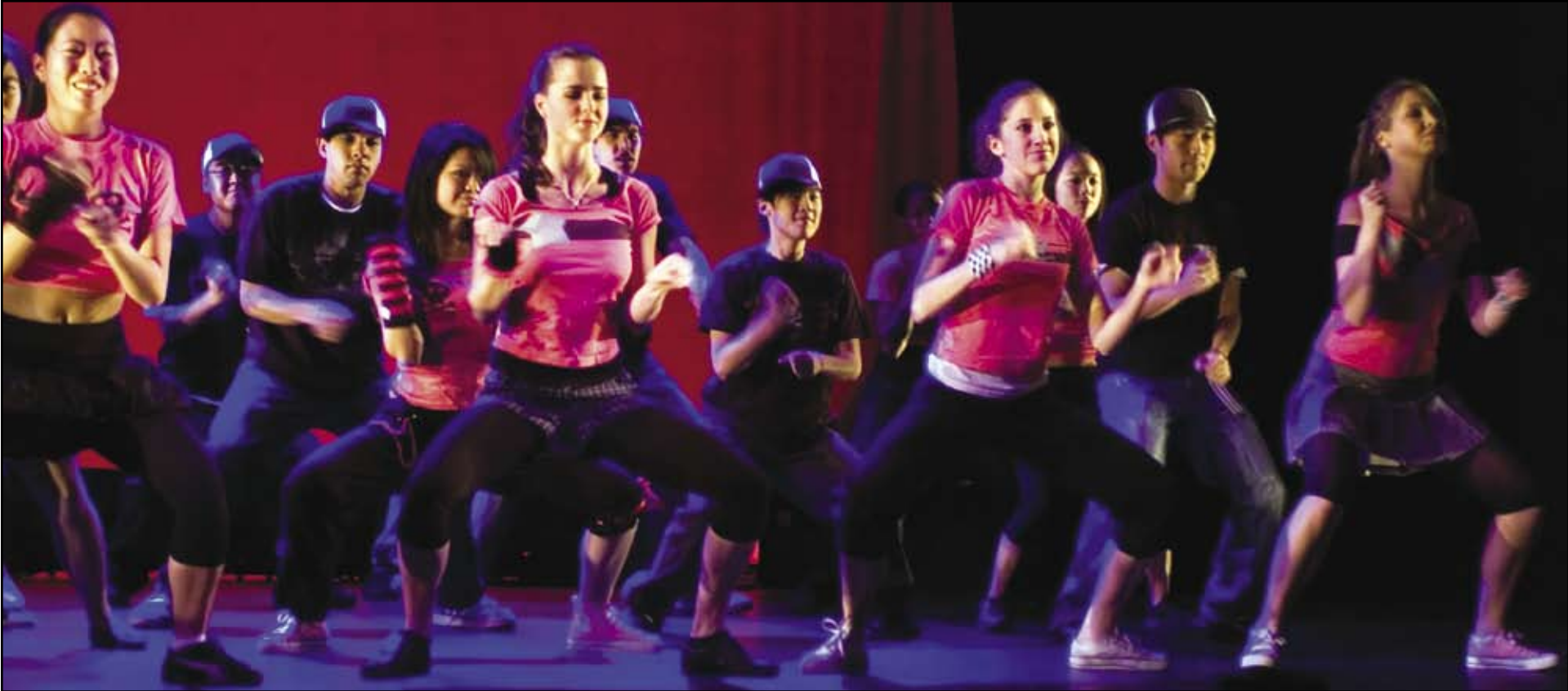


(center)  
Elleard W. Heffern '07 and Matthew S. Cohen '10 perform a dance by Aimee K. Beasley '08 as part of MIT Dance Troupe's fall concert. The group will be performing tonight through Sunday in Kresge Little Theatre.

(clockwise from top left)  
Heather A. Levites '08 practices with the rest of Troupe during the group's Tuesday fall concert rehearsal.

Rachel W. Shearer '08 performs the "Resident Evil Dance of the Dead," choreographed by Estevan M. "Milo" Martinez '08  
Jessica K. Lee '08 performs a dance by Diana T. Lusk '08  
Dance Troupe performs "Collaborative Dance"  
Dance Troupe performs the "Candyman" dance by Heather A. Levites '08.

Photography by Martha Angela Wilcox







# Students Perform, Showcase Talents at Korean Culture Show



(clockwise from top)

Janina Kim of Wellesley College performs during the Buchaechum fan dance at the Korean Student Association's Culture Show held Sunday in Walker Memorial.

Hyuna Do (left) and Hyunwoo Do (right) play Korean drums.

Elizabeth Kim '10 dances to Korean pop.

Jiho Lee '08 performs with his band.

MIT Sport Taekwondo Member Christopher J. Han '09 flies towards Stephen H. Petraeus '09.

Photography by Jongu Shin





CONCERT LISTINGS

December Concerts

There are only a few weeks left to catch shows before the semester ends, so take note of these top picks. Special interest performances are noted with stars. Send future listing suggestions to [arts@tech.mit.edu](mailto:arts@tech.mit.edu).

Friday, Dec. 7

*Cake's Unlimited Sunshine Festival*  
*Orpheum Theatre, All Ages, \$35, 7:30 p.m.*

This annual traveling festival of musicians headed up by Cake comes to Boston with Brazilian Girls, Oakley Hall, Detroit Cobras, King City, and Agent Ribbons. Pricy ticket; fun show.

Saturday, Dec. 8

*MIT Cross Products Fall Concert*  
*10-250, Free, 5 p.m.*

Ah, it's a cappella season again. This is MIT's co-ed Christian a cappella group's annual fall performance.

*MIT Chorallaries Fall Concert*  
*10-250, Free, 8 p.m.*

If the Cross Products aren't your thing, or you just don't feel like leaving after their concert, check out the MIT Chorallaries a cappella group.

*RAMBAX*  
*Lobdell, Free, 8 p.m.*

Check out this Sengalese percussion performance.

Sunday, Dec. 9

*KlezMITron*  
*Museum of Fine Arts West Wing, Free (with museum admission), 2:30-4 p.m.*

MIT and Berklee klezmer musicians perform in conjunction with MFA's holiday programming.

*Third Annual Yule Ball (feat. Harry and the Potters, Draco and the Malfoys, Uncle Monsterface, Math the Band, Remus and the Lupins)*  
*The Middle East (Downstairs), All Ages, \$12dos, 5 p.m.*

This is not the sort of thing that appeals to me, but I understand it's quite a craze, so have at it, MIT Muggles. I'll come out once they get The Weird Sisters on the bill.

*MIT Techiya Fall Concert*  
*10-250, Free, 9 p.m.*

If you haven't gotten your fix of vocal performance this December, come check out MIT's only Jewish, Hebrew, and Israeli a cappella group perform.

*MIT Gospel Choir Fall Concert*  
*10-250, Free, 5 p.m.*

This concert features guest gospel ensembles and refreshments following the performance.

Wednesday, Dec. 12

*Margot & the Nuclear So and So's (with Le Loup, The Motion Sick) \**  
*The Middle East (Upstairs), 18+, \$9*

A fantastic little band that is elegant on record and emotionally unrestrained in concert. They take their name from Wes Anderson's "The Royal Tenenbaums," and I like to think their musical sensibilities are influenced by the film as well.

Wednesday, Dec. 13

*Spaces Faces and The Johnson/Fleder Sub-Trio*  
*Little Kresge Auditorium, Free, 7 p.m.*

Presented lovingly by WMBR, Spaces Faces will do some of their own compositions as well as contemporary classical pieces, while the Sub-Trio is doing some originals and Coltrane reinterpretations.

Saturday, Dec. 15

*Friends of John: A Benefit Concert for the John Ryan Pike Memorial Foundation (feat. Tokyo Police Club, Ra Ra Riot, Vampire Weekend) \**  
*The Middle East (Downstairs), 18+, \$15dos, 7 p.m.*

Friends of former Ra Ra Riot drummer John Pike will play a show to fully benefit his memorial foundation, which hopes to raise money for those pursuing some musical education. Indie pop for a good cause.

Friday, Dec. 28

*Francine \**  
*T.T. the Bear's Place, 18+, \$15, 11:20 p.m.*

Frontman Clayton Scoble (ex-Poundcake) has been "on the Boston scene for, like, forever" according to my boyfriend, who turned me on to these guys about a year ago. This is the kind of music you can share with your friends, your S.O. and your mom; it's restrained but forward-thinking, delicate but jarring, eloquent and full of humor, all topped off with Scoble's fantastically smooth and emotive voice.

Sunday, Dec. 30

*Soulive*  
*Paradise Rock Club, 18+, \$22.50dos, 8 p.m.*

Though they'll also play on New Year's Eve in the same location, it's \$20 cheaper on the thirtieth, so I'll bet you can guess my recommendation. Now that they've returned to trio status and renounced huge venues and tour busses, you can bet they'll be right in their element at Paradise.

Monday, Dec. 31

*Badfish — A Tribute to Sublime*  
*The Middle East (Downstairs), 21+, \$40*

Oh, come on, you know you're going to be drunk for the new year, anyway. Why not do it while listening to nearly impeccable live covers of Sublime songs? Save up some cash, bring some friends, and celebrate the end of '07 like it's the end of '96.

—Sarah Dupuis

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News Briefs, Continued

News Briefs, from Page 1

“Someone abandoned a piece of equipment on the Stata docks,” said Gary A. Saffie, assistant operations manager for Stata. Saffie said that the board probably originated from a laboratory. Dock areas “become a dumping group for everybody’s junk and they don’t dispose of it the right way,” Saffie said.

The asbestos was “not friable,” Saffie said, meaning it was not easily crumbled into smaller pieces. Friable asbestos is a regulated material.

“We’re having a contractor come in to take it away,” Saffie said. Room 32-028 in the Stata Center basement will be closed next Wednesday, Dec. 12, from 8 a.m. to 4 p.m., for the “abatement of 20 square feet of asbestos contaminated board,” according to an e-mail notification.

—Arkajit Dey


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# Community Welcomes Yunus as Graduation Speaker

Commencement, from Page 1

of MIT."

This year's selection procedures differed from the past in that the selection subcommittee met in the spring as opposed to the beginning of the fall term, Grimson said. In the past, by the time the list of potential speakers was submitted to the president, many of the speakers had already been booked for the date of commencement.

After a list of roughly 150 suggested names was compiled from faculty, graduate students, and undergraduates. It was filtered down to a list of approximately 10 names by a subcommittee of the Commencement Committee in late May based on factors such as likelihood of accepting, previous MIT history, and fit with the MIT community, Holmes said.

"We don't really have explicit criteria," Grimson said. "We're generally looking for people we think have a message that will resonate with MIT."

Among the graduate students, Graduate Student Council Vice Pres-

ident Johnna D. Powell G said that popular picks were Apple CEO Steve Jobs, comedian John Stewart, environmentalist Al Gore, and Secretary of State Condoleezza Rice.

Though the rest of the names on the list remains confidential to members of the Commencement Committee, Holmes said that the other nine candidates were "all excellent people, and [he] would have been excited to have any of them."

The list of 10 was then submitted to Hockfield.

How the final selection is made is unknown to everyone but Hockfield, according to Gayle M. Gallagher, executive officer for Commencement, who said that the decision is entirely out of the Commencement Committee's hands. The selection subcommittee "is strictly advisory" and has no say on the final decision, she said.

Feedback from the MIT community has generally been positive. "People have been very excited, and they're looking forward to seeing him speak at graduation," said Class of 2008 President Phi T. Ho '08. Faculty feedback has been promising as well, Grimson said.

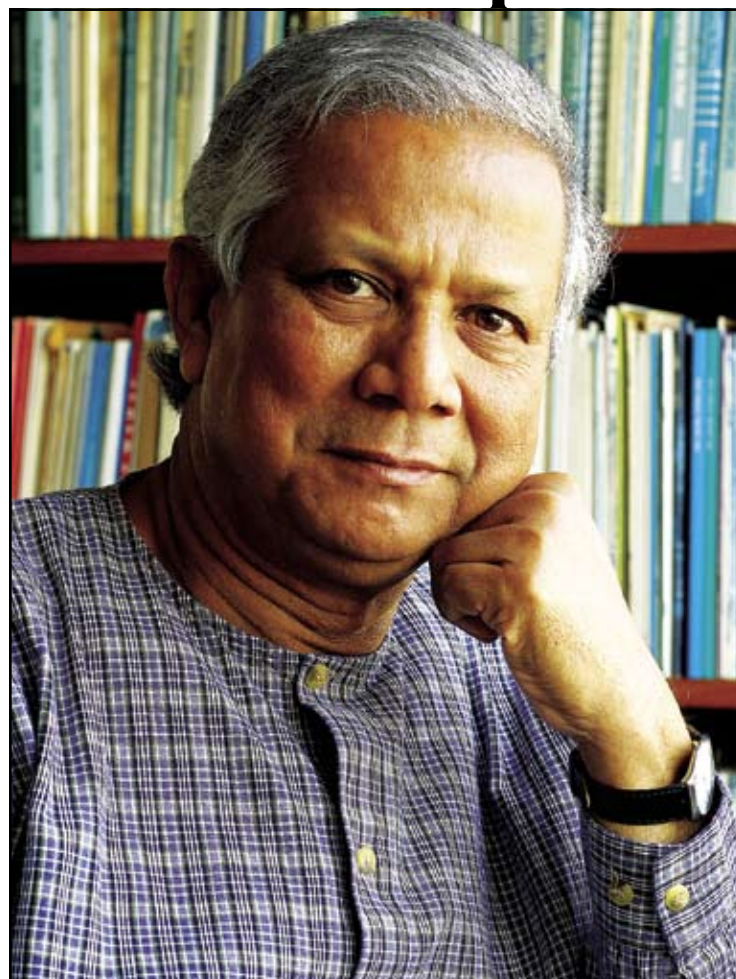
"Yunus has shown himself to be a leader who has managed to translate visions into practical action for the benefit of millions of people, not only in Bangladesh, but also in many other countries," the Nobel Committee commented when awarding the 2006 Nobel Peace Prize to Yunus. "Loans to poor people without any financial security had appeared to be an impossible idea.

From modest beginnings three decades ago, Yunus has, first and foremost through Grameen bank, developed micro-credit into an ever more important instrument in the struggle against poverty."

Yunus has also received other international awards, including the Sydney Peace Prize, Indira Gandhi Peace Prize, and the Simon Bolivar Prize.

"Like so many members of the MIT community itself, Dr. Yunus is a practical visionary," President Susan Hockfield told the MIT News Office. "Our graduates will be inspired to hear how social entrepreneurship and technical expertise can, together, change the world. I can think of no better choice for our 2008 MIT Commencement speaker."

*People have been very excited, and they're looking forward to seeing [Yunus] speak at graduation.*  
—Phi T. Ho '08, Class President



MIT NEWS OFFICE

Muhammad Yunus, 2006 Nobel Peace Prize winner, will be the 2008 Commencement speaker.

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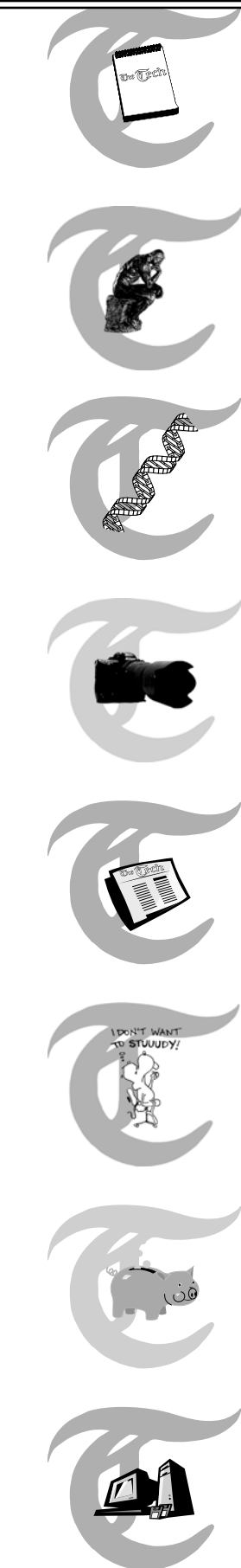
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# Girls Sweep Top Honors at Siemens Science Contest

By Amanda Millner-Fairbanks  
THE NEW YORK TIMES

NEW YORK

Girls won top honors for the first time in the Siemens Competition in Math, Science and Technology, one of the nation's most coveted student science awards, which were announced Monday at New York University.

Janelle Schlossberger and Amanda Marinoff, both 17 and seniors at Plainview-Old Bethpage John F. Kennedy High School on Long Island, split the first prize — a \$100,000 scholarship — in the team category for creating a molecule that helps block the reproduction of drug-resistant tuberculosis bacteria.

Isha Himani Jain, 16, a senior at Freedom High School in Bethlehem, Pa., placed first in the individual category for her studies of bone

growth in zebra fish, whose tail fins grow in spurts, similar to the way children's bones do. She will get a \$100,000 scholarship.

The three girls' victories is "wonderful news, but I can't honestly say it's shocking," said Nancy H. Hopkins, a biologist at the Massachusetts Institute of Technology.

Hopkins helped start a national discussion about girls and science two years ago when she walked out of a talk by Harvard University's president, Lawrence H. Summers '75, after he suggested that innate differences between men and women might be one reason that fewer women than men succeed in math and science careers. Summers apologized during the ensuing furor; he announced his resignation as Harvard's president 13 months later.

"Why do people think girls can't do science?" Hopkins said Monday.

"Where did this crazy idea ever come from?"

James Whaley, president of the Siemens Foundation, which oversees the competition for Siemens AG, a global electronics and engineering company, said the competition results send a great message to young women.

Alicia Darnell, 17, a senior at Pelham Memorial High School in Pelham, N.Y., won second place and a \$50,000 scholarship in the individual category for research that identified genetic defects that could play a role in the development of Lou Gehrig's disease.

The Siemens competition was first held in 1998 and is distinct from the Westinghouse Science Talent Search, which was founded in 1941 and is now known as the Intel Science Talent Search. Many high school students enter both.

This year, more than 1,600 students nationwide entered the Siemens competition. After several rounds of judging, 20 finalists were chosen to present their projects at NYU and to vie for scholarships ranging from \$10,000 to \$100,000. Eleven of the finalists were girls. It was the first year that girls outnumbered boys in the final round. Most of the finalists attend public school.

On Sunday, the students gave 12-minute presentations of their projects, filled with explanations about Herceptin resistance (when breast cancer patients with HER2-positive tumors do not respond to the drug Herceptin) and FtsZ inhibitors (experiments on a specific protein that could lead to a new treatment for drug-resistant tuberculosis).

One of the most popular was by three home-schooled girls from Pennsylvania and New Jersey

— Caroline Lang, 16; Rebecca Ehrhardt, 15; and Naomi Collipp, 16 — who used a Power Point presentation to demonstrate their "Burgercam" monitoring system. It is designed to determine when E. coli bacteria in hamburgers have been safely eliminated by measuring the shrinkage of each patty when fully cooked.

Several hundreds of hamburgers later, the girls took home fifth place and \$20,000 in scholarship money.

Caroline, Rebecca, and Naomi, called "the Hamburger Girls," said they had been friends since they were toddlers and had stayed in touch through a group for home-schooled children.

"They were concerned it wasn't sophisticated enough, but they wanted to try," said Rebecca's mother, Alicia Butcher Ehrhardt, a plasma physicist.

# Idea of a Chaplaincy Brought Up in 1950s

Randolph, from Page 1

not been high profile here — particularly in the Hindu community, for instance — that we might want to find a way to make people more aware of."

Yet, Randolph is mindful of those in the MIT community who might not believe in a higher power. Randolph described his role as being "for believers, non-believers, and those who were searching or uncertain."

"I think my own notion about the university setting is it's a time when people should be asking lots of hard questions, and we should have resources that can help them answer them," he said.

To that regard, he said, "I am trying to be available to people from a variety of perspectives, from all those perspectives." He hopes to start "a conversation across the community from interested parties that helps students sort out who they are and what they want to be."

Randolph brought up the idea of the chaplain position to Dean for Student Life Larry G. Benedict, and, in the words of Randolph, "it all went from there." Benedict pushed through the idea and made it happen. During his time at Johns Hopkins University, Benedict also appointed the first chaplain there.

The idea to establish a chaplaincy is "not a new thrust or awareness," Randolph said. The idea of a chaplaincy was brought up in the 1950s when "questions had arisen about the notion of the Manhattan Project," which created the first atomic bomb, and MIT constructed Kresge Auditorium and the chapel.

Before coming to MIT in 1979, Randolph worked as chaplain of Wellesley College's Dana Hall School. He started at MIT as a counselor in the counseling department, and in 1981 became the organizing dean for what is now Student Support Services. He stayed in that position for 14 years.

In 1995, he worked as an assistant dean and eventually became Benedict's senior associate dean for students. During that time, he interacted with the religious community and was partly responsible for the construction of W11, the Religious Activities Center. Randolph said he acted as a "dean on call," often addressing the needs of students after hours.

When asked about the challenges facing MIT in the future, Randolph said, "We need to be quietly confident, but we also need to be asking the hard questions about value." MIT students need to answer the questions about "how we are making this world a better place," he said.

He described a dialogue in which "students can challenge the faculty and staff by saying things like, 'We're really concerned about the integrity of the work you do with the government.'" At the same time, he said that the administration should start conversations with students on ethical issues, such as the possibility of establishing an honor code at MIT. Randolph hopes to foster conversation regarding ethics between the parties involved.

"I think it's an important decision of MIT to appoint a chaplain because ... it recognizes that there is a dimension of the whole person that's not necessarily measured in the laboratory, in the test tube, things of that sort," Randolph said. "Who we are is quite a bit more complicated than that, and a chaplaincy done right can be of help in that regard."



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**Solution to  
Bonus Crossword**  
from page 7

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# Tenure at MIT Still Predominantly a Male Domain

By Linda K. Wertheimer  
THE BOSTON GLOBE

Just one out of 25 faculty members granted tenure this year at MIT is female, a gender imbalance that appears to contrast with the university's decade-old effort to boost the status of women.

Women have been achieving tenure at a lower rate than men at the

Massachusetts Institute of Technology during the past 10 years, according to an MIT analysis of junior faculty. Of the tenured faculty, 16 percent are women, up from 10.5 percent a decade ago, but there is still too big a gap, several professors said.

The point was brought home recently when the school's in-house newspaper published a portrait gal-

lery of the faculty members granted tenure this year; among the sea of male faces was the lone woman.

"The truth is what we're looking for is 50 percent parity," said tenured professor Ruth Perry, who has taught literature at the university since 1972. "There has been a slacking off. People aren't paying enough attention."

MIT President Susan Hockfield, who became the university's first woman president in 2004, said the photo of just one woman was "unsettling," but not a sign of MIT backing off its pledge to hire more women and improve their tenure rate. Tenure, which provides professors lifetime job protection as well as prestige, can take four to seven years to earn depending on their talent, experience, and field.

"We are absolutely committed to accelerating our progress, and we want to be able to show that progress every single year," Hockfield said. "But all of the variables that go into this mean some years, it's not going to look as good as we want it to look."

MIT's appointment this year of engineering professor Barbara H. Liskov as a new associate provost for faculty equity is an example of the university's commitment, Hockfield said.

The school emphasizes that the tenure data is preliminary because more faculty may win promotions during the remainder of the academic year. Between 1997 and now, the number of junior faculty women granted tenure has ranged between zero and eight a year, according to data provided by MIT at the Globe's request. The number of junior faculty men granted tenure ranged between 10 and 24 a year over the same period.

In an MIT analysis of junior faculty who could have vied for tenure during the last decade, it found that 41 percent of 104 women were granted tenure, compared with 48 percent of the 372 men hired.

Liskov and Hockfield said the university will investigate impediments to women receiving tenure.

"It's very hard to know whether you're making progress or standing still," Liskov said. "One year is not really the issue. It's over time. I would like to see the rate for men and women be equal."

MIT set off a national examination of gender equity in higher education in 1999 when the university published a report on gender bias in its School of Science. The group, led by Nancy H. Hopkins, a tenured biology professor and longtime leader on gender equity issues at the university, said in the report that the school routinely underpaid, marginalized, and disrespected female faculty in numerous ways, including providing less lab and office space and giving

them scant representation on hiring and funding committees.

At the urging of then President Charles M. Vest, who agreed with the report's findings, MIT created committees to study gender bias at each of its schools. In 2002, reports from those committees reached the same conclusion about their individual schools: gender bias was pervasive.

MIT passed policies designed to attract more female applicants and retain women faculty. Since 2001, for example, the school has automatically stopped the tenure clock for up to a year after a woman has her first child. In the past, if faculty members had not reached tenure by the seventh year at the school, they would lose out on the opportunity.

To achieve tenure, a junior faculty member has to win approval from several committees, starting with a group within the professor's department, then a school-wide committee, and finally a committee of all five of MIT schools' deans chaired by the university president.

Robert A. Brown, MIT's provost from 1998 to 2005 and now the president of Boston University, oversaw the bulk of MIT's work on women's issues. After the 2002 reports, he said, MIT wanted "to become the leader in mentoring young female faculty and monitoring the careers of tenured women, and working more aggressively to increase their numbers."

Universities nationwide, particularly those with a scientific focus like MIT, are struggling to achieve gender parity in tenure, said John Curtis, director of research and public policy at the American Association of University Professors.

The association's 2006 study on faculty gender equity reported that at doctoral universities, on average, a quarter of tenured faculty are women. MIT's rate is comparable to schools with a more scientific bent, like the California Institute of Technology, where 11 percent of tenured faculty last year were women, Curtis said. At Harvard, 20 percent of the tenured faculty were women.

"This is really slow progress, and it will take decades before women are on more equal footing with men," Curtis said.

Brown said he continues to believe that tenure rates for women will improve if universities hire more junior women faculty and make it easier for them to juggle family responsibilities.

MIT has made strides in hiring more women, increasing their percentage on the faculty from 14.7 percent in 1998 to 19.3 percent today. And in the past two years, Hockfield said, roughly a third of the hires have been women.

MIT, though, is at a disadvantage because the bulk of its professors are in such male-dominated fields as computer science, physics, math, and other scientific disciplines, and fewer women are entering the pipeline for jobs in those areas. BU faces similar issues when it recruits for certain disciplines, Brown said.

Hopkins, an outspoken critic of former Harvard president Lawrence H. Summers '75 for his remarks about women's ability in the sciences, said it was unnerving to see only one woman among the newly tenured professors featured in last month's *Tech Talk* newspaper.

"It's a shock. I don't have a thousand words as good as that picture," said Hopkins. "It's a good reminder. We learned a lot about this problem, but good will and time do not solve that problem."

Hopkins and other professors said that despite the latest figures, they want MIT to continue primarily promoting from within to improve tenure rates, rather than adopt other universities' practice of recruiting other colleges' stars to rapidly increase the proportion of tenured women.

"It's easy to hire an identified star," Hopkins said. "To identify people when they're young and nurture them to stardom is a tremendous attribute."

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### Institute-wide bidding for Sloan subjects:

Opens 9:00 a.m., Friday, December 21

Closes 5:00 p.m., Monday, December 31

### Waitlist Round for closed Sloan subjects:

Opens 9:00 a.m., Thursday, January 3

Closes 5:00 p.m., Thursday, January 10

### Section Swap Round for sectioned Sloan subjects:

Opens 9:00 a.m., Tuesday, January 15

Closes 5:00 p.m., Tuesday, January 22

Please contact Scott Alessandro, [sallessan@mit.edu](mailto:sallessan@mit.edu), if you have questions regarding Sloan Course Bidding.

**Successful bids will appear on your Registration Form on February 4 and will be posted on the bidding website as of January 3 -- write down your password to check results!**

# Tech Women Keep Score Close Against No. 5 Manhattanville

Women's Hockey, from Page 20

and Holly Nonis set up Jess Scioli for the eventual game-winning goal after 4:09 had expired. The Engineers countered by making several charges at the net during the next three minutes, but Zimmerman knocked in a pass by Caroline O'Neill that extended the Valiants' lead to 3-0. MIT did not back down and eventually found success with 2:24 left in the period.

On a breakaway, Abraham's initial shot was stopped, but Lu was in position to poke the puck across the line for the first goal of her career.

Following a balanced second period in which both sides totaled eight shots, Manhattanville amassed a 24-2 advantage in the final period. The Valiants capped the scoring when Erin Brawley sent the puck from the left side of the net to Zitek, who flipped it in for the second power-play goal of

the day in the 10th minute.

Despite being out-shot 56-14 over the course of the game, the Engineers held their own as the Valiants' victory was their closest in 11 meetings. Bowens-Rubin collected 38 saves for MIT, while Liane Ortis notched 10 saves in her first win of the season.

MIT continues ECAC East play today when it hosts New England College in the Johnson Ice Rink at 7 p.m.

# LaBounty Scores Only Tech Goal Off Assists by Ballentine, Brandt

Men's Hockey, from Page 20

Defenseman Nick Ulrich was credited with the primary assist, while fellow blue-liner Roof picked up the secondary helper.

Forward Nicholas R. LaBounty '09 evened the score at one apiece with just eight seconds remaining in the first period, and Ryan W. Ballentine '09 and Riley E. Brandt '11 were credited with assists. The tally gave LaBounty a team-high eight goals on the season to go along with eight assists for a team-best 16 points, while Ballentine's assist was his 11th on the season, good for the team lead. Brandt, meanwhile, secured his first-ever intercollegiate point with his helper.

The score remained deadlocked for the majority of a tightly contested second period, but Roof's goal with just 1:17 remaining in the period broke the stalemate and proved to be the ultimate game-winner. Ursiny was credited with the lone assist on the tally.

Roof turned provider once again

to give the Catamounts an insurance goal with 9:15 left in the contest, feeding senior Jon Lashure for his first score of the season.

Thomas A. Hopkins G stopped 30 shots between the pipes for the Engineers, while senior net-minder

Luke Brind'Amour made 29 saves for Vermont.

MIT will travel to Smithfield, R.I. for its final game before the winter hiatus, as the Engineers take on Bryant University today at 8 p.m.

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SPORTS

Women's Hockey Loses Against Holy Cross and Manhattanville

By Mindy Brauer  
DAPER STAFF

The MIT women's hockey team lost a pair of games this weekend, including one against nationally-ranked No. 5 Manhattanville College on Saturday.

Holy Cross beats MIT with balanced offense

A total of 13 players registered at least one point in an 8-1 victory by the College of Holy Cross over MIT in an Eastern College Athletic Conference East women's ice hockey game last Friday. Samantha Rush paced the Crusaders (4-2-1, 3-1-0 ECAC East) with a goal and two points, while Rachel A. Longley '08 recorded the lone goal for the Engineers (0-3-0, 0-3-0 ECAC East).

Parnell Ormiston opened the scoring for Holy Cross as she connected on passes from Jocelyn Kratchmer and Murphy after 6:43 had elapsed in the game. Less than two minutes later, Katherine Falkowski corralled the rebound of Amy McGhee's shot for what proved to be the game-winning goal. McGhee earned her second point of the night when she converted feeds from Casey Harvel and

Kathryn Kelley in the 13th minute. The Crusaders notched their fourth goal of the frame when Samantha Rush put Falkowski's pass into the top right corner of the net.

Holy Cross carried the momentum into the second period, as Rush and Kratchmer collaborated in setting up Stephanie Couzin after 2:06 expired. The scoring ceased until a power-play goal by the Crusaders with 4:58 on the clock. Passes by Rush and Christina D'Ambrogio found Lisa Wilson, whose blast from inside the blue line hit the left post and bounced into the right side of the net. Exactly 47 seconds later, MIT ended the shutout when Longley poked in the rebound of a shot by Catherine G. Harding '09. Holy Cross extended its lead to 7-1 on Wilson's power-play goal, which was set up by Kelley with 14 seconds remaining before the intermission.

In the third period, the Engineers received their first power plays of the night, but they could not convert either opportunity. Holy Cross tacked on their final goal with 3:27 left in the contest. MIT goalie Rachel A. Bowens-Rubin '11 made a diving save on a shot by Katelyn Doherty, but Wendy Nobrega gathered the re-

bound and flipped it into the net.

In her intercollegiate debut, Bowens-Rubin collected 52 saves. Lindsey Atkinson made four saves through two periods of play while Alicia Lew closed out the night with eight stops.

Tech manages a close game against Manhattanville

A pair of second-period goals led nationally-ranked No. 5 Manhattanville College to a 4-1 win over MIT in an ECAC East women's ice hockey game on Saturday. Natalie Zitek and Jessica Zimmerman each posted a goal and an assist for the Valiants (4-2-0, 3-1-0 ECAC East), while Connie C. Lu '11 and Kelcie A. Abraham '10 both recorded a point for the Engineers (0-4-0, 0-4-0 ECAC East).

After defensive-minded play by both sides, Manhattanville opened the scoring when Zitek found Shannon Coffey for a power-play goal with 6:57 remaining in the period. The Valiants continued to attack, but they could not add to their lead as Bowens-Rubin turned away 20 shots in the period.

In the second period, Zimmerman

Women's Hockey, Page 19

Men's Hockey Falls to Vermont 3-1; Winning Streak Snaps at Five

By Jeff Lemieux  
DAPER STAFF

University of Vermont defenseman Adam Roof notched a goal and two assists to help the Catamounts hand the MIT men's ice hockey team its first loss of the season, 3-1, in NorthEast Collegiate Hockey Association Conference A East Division action on Saturday night in the Johnson Ice Rink. The loss snapped the Engineers' season-opening five-game winning streak.

Despite the loss, the Cardinal and Gray still stands at an impres-

sive 5-1-0 overall and 3-1-0 in the NECHA. It is the second consecutive year in which MIT has started the season with five consecutive wins before dropping its sixth game of the schedule to a division opponent.

Vermont, which has won four games in a row after a rough start, improved to 6-7-2 overall and 3-2-0 in the NECHA.

Sophomore forward Mike Ursiny put the Catamounts ahead midway through the opening period with his team-leading 12th goal of the season.

Men's Hockey, Page 19

UPCOMING HOME EVENTS

<b>Friday, Dec. 7, 2007</b>	
Women's Ice Hockey vs. New England College	7 p.m., Johnson Ice Arena
<b>Saturday, Dec. 8, 2007</b>	
Women's Basketball vs. Fisher	1 p.m., Rockwell Cage
Women's Ice Hockey vs. Southern Maine	3 p.m., Johnson Ice Arena

Geesman Earns Institute's First Nationwide Seeding in Men's Wrestling

In light of a spectacular early season run, MIT heavyweight Glenn J. Geesman '09 has been ranked ninth in Division III among wrestlers in his weight class by the National Wrestling Coaches Association. It is the first time in recent history that an MIT wrestler has been awarded nationwide seeding.

Geesman earned victories in all but one of his bouts this season. He also won all three tournaments he entered, standing at 13-1 overall. After winning all four of his matches in the Springfield Tournament on Nov. 17, the New England Wrestling Association named him Wrestler of the Week.

To date, Geesman's most impressive victory occurred in the finals of the Springfield tournament, when he defeated the No. 5 ranked wrestler in the country in the finals. After the win, MIT head coach Tom Layte proved a bit prophetic when he said, "It is possible [Glenn] may get ranked nationally."

The MIT stalwart also topped all of his opponents at the annual tournaments at Roger Williams University and Rochester Institute of Technology.

—Mike Stoller, DAPER Staff

Link Selected as NFC Fencer of the Month

Following her stellar performance at the season-opening Northeast Fencing Conference competition last month, Cordelia S. Link '10 was selected as the NFC Fencer of the Month. She compiled a record of 17-1 to lead the entire league's foil contingent. For the year, Link has a ledger of 30-9, while MIT has a team mark of 7-6.

Members of the NFC include Boston College, Boston University, Brandeis University, Brown University, Dartmouth College, the University of Massachusetts, the University of New Hampshire, Smith College, Tufts University, and Wellesley College.

—Mindy Brauer, DAPER Staff

Geesman, Jameson Win Weight Divisions At RIT Tourney; MIT Places 11th of 14

Wrestlers Glenn J. Geesman '09 and Sean

D. Jameson '10 provided the major highlights for MIT, winning their respective championships at the Rochester Institute of Technology Tournament this past Saturday. Overall, MIT finished 11th out of 14 teams. Rhode Island College won the event with a score of 121.5, followed by Wilkes University (117) and Williams College (96).

Geesman rolled through all three of his opponents with wins by fall, as the junior heavyweight improved his season ledger to 13-1. In succession, Geesman took down Lawrence Neubauer, Mike Edwards, and Jake Taylor. Geesman stopped Taylor of State University of New York at Oswego in the title match at 1:02, while halting Neubauer of Waynesburg University and Edwards of Thiel College at 1:05 and 3:18, respectively.

Jameson, at 197 pounds, won all of his matches by decision, 7-5, 6-1, and 5-1, defeating Kevin Davis of Rhode Island College in the final bout.

The Engineers also got one win apiece from Grant M. Kadokura '11, Travis C. Samuel '08, and Joseph B. Silverman '10. Kadokura, at 125 pounds, and Samuel, at 165, took 10-0 and 16-1 major decisions, while Silverman won by a 4-2 count at 197 pounds.

MIT will next compete in the North/South Duals in Collegeville, Penn., on Jan. 5.

—Mike Stoller, DAPER Staff

Pistol Narrowly Earns Victory Against Coast Guard, Crushes Women's Competition

In its final dual competition of the semester, the MIT pistol team defeated the U.S. Coast Guard Academy 6,062-5,845 this past weekend. On the women's side, the Engineers overpowered the Bears 2,498-1,864.

In air pistol, MIT captured the top four spots en route to a 2,144-2,052 victory. Fuzhou Hu '09 led the way with a total of 542, followed by Christine T. Hsueh '10 (537), Daniel Jang '10 (536), and Bernard J. Arnest '09 (529).

A pair of 531 marks from Hsueh and Hu helped power the Engineers to a 2,009-1,953 win in standard pistol. Coast Guard notched scores of 515 and 498, but MIT's Andrew K. Sugaya '11 and Lihua Bai '09 countered with tallies of 482 and 465 to seal the victory.

Although the Bears claimed the top spot in free pistol with a score of 507, it was not enough as the Engineers went on to a 1,909-1,840 victory. Once again, Hu paced the Cardinal and Gray with a total of 495 and Jang contributed a 482. Arnest and Benjamin Chang bolstered MIT's performance with marks of 467 and 465.

In women's air pistol, the Engineers de-

feated the Bears, 1,034-941, as Hsueh powered the squad with a 355. Bai finished three points behind her, while Michelle C. Ma '10 contributed a score of 327. MIT was a force to be reckoned with in women's sport pistol as it overpowered Coast Guard 1,464-923. Hsueh led the charge with a total of 538, while Bai's mark of 466 claimed third place. Xudan Liu '10 rounded out the contingent with a tally of 460.

The pistol teams return to competition on Saturday, Dec. 15 at 9 a.m. when they host the USA Junior Olympics.

—Mindy Brauer, DAPER Staff

Squash Earns First Victory of Season Against Bryant, Falls to Middlebury

David S. Baumgartner '08 and Balaji V. Sridhar '09 each dispatched their opponents in straight-set shutouts to help propel MIT's squash team to its first victory of the season, 9-0, over Bryant University this past Saturday afternoon in the Zesiger Center. Earlier in the day, the Engineers fell to Middlebury College by a similar 9-0 score-line.

MIT (1-5) opened its weekend with a Saturday morning loss to visiting Middlebury, which finished 26th at last year's Collegiate Squash Association Team Championships. Andrew Yoon '10 nearly stole his match out of the No. 1 position, dropping a tight first game, 9-7, but was limited by shin splits and fell in the final two games, 9-2, 9-3.

With the afternoon match against Bryant occurring just hours after the morning opener against Middlebury, the Engineers had no time to contemplate the loss. MIT rose to the occasion and showed no ill effects of the earlier encounter, as the team breezed past the Bulldogs, 9-0, courtesy of nine 3-0 sweeps.

Sridhar and Baumgarter each won their matches without conceding a point, taking down their opponents 9-0, 9-0, 9-0 from the No. 2 and No. 5 positions, respectively. Yoon, Xing Yuan '08, Jonathan H. Schechter '08, and Saad Zaheer '09 each allowed just one or two points over the course of their entire three-game matches. Pawan Deedwaniya '08, George W. Pratt '10, and Robert A. Habib '11 all swept their matches as well, with none of them conceding more than four points in a match.

Stephen B. Howland '11 (also a Tech production staff member) participated in an exhibition match, sweeping his opponent, 9-0, 9-4, 9-0.

The Engineers next compete on Saturday, Feb. 9, when they will host Colby College at 10 a.m.

—Jeff Lemieux, DAPER Staff

Women's Fencing Finishes Season With Two Wins and Two Losses at Brandeis Invitational

The MIT women's fencing team closed its season by defeating Cornell University (14-13) and Yale University (18-9) before falling to St. John's University (18-9) and Brown University (17-10) at the Brandeis University Invitational on Saturday. Following their performance, the Engineers' ledger moved to 7-6 on the year.

The foil team registered the best showing of the day as it compiled a record of 19-17, including victories over Yale, Cornell, and Brown. Cordelia S. Link '10 led the way with a total of 9-3, and Lindley C. Graham '10 went 6-6. Chun Li '08 contributed a mark of 2-10, while Jenna G. Caldwell '11 won two out of her three bouts.

Like Link, Yuhsin Chen '08 amassed a total of 9-3 as the sabre team finished with a ledger of 17-19. Laura A. Evans '10 (5-7) and Elena A. Tatarchenko '11 (3-9) rounded out Tech's contingent, which picked up a pair of 6-3 decisions over Yale and Cornell.

The foil team notched a record of 15-21, with Stephanie H. Shin '10 and Joanna W. Tong '08 each tallying marks of 6-6. Zhenya Gu '08 wrapped up the competition with a 3-9 performance.

—Mindy Brauer, DAPER Staff

MIT Closes Men's Fencing Season at Brandeis Invitational

In its final outing of the semester, the MIT men's fencing team fell to Brown University (15-12), Yale University (15-12), and St. John's University (20-7) at the Brandeis University Invitational on Saturday. With the losses, the Engineers' ledger fell to 4-7 on the year.

The sabre team registered the best performance of the day for MIT in compiling a record of 18-9, including an 8-1 win versus Yale. Rangarajan D. Nadadur '10 and Igor Kopylov '09 both posted marks of 7-2, while Maximilian L. Brand '11 went 4-5.

Gabriel A. Chan '09 compiled a 4-5 record, leading the epee team to a tally of 10-17. Jeremy S. Hurwitz '08 and Matt L. Gethers '09 rounded out the contingent with records of 3-6. The foil team notched a record of 3-24, with Spencer R. Sugimoto '08, Benjamin T. Switala '09, and Sebastian Castro '04 each picking up a win.

—Mindy Brauer, DAPER Staff